2023-2024 Middle School Virtual Challenge Meet #3

Calculator Applications

DO NOT OPEN THE TEST UNTIL INSTRUCTED TO BEGIN

1. Calculator Applications rules and scoring—See UIL Constitution
   a. You will be given 30 minutes to take this test.
   b. There are 80 problems on this test.

II. How to write the answers
   A. For all problems except stated problems as noted below—write three significant digits.
      1. Examples (* means correct but not recommended)
         Correct: 12.3, 123, 123.*, 1.23x10*, 1.23x10^{0}* 1.23x10^{1}, 1.23x10^{01}, .0190, 0.0190, 1.90x10^{-2}

         Incorrect: 12.30, 123.0, 1.23(10)^{2}, 1.23·10^{2}, 1.230x10^{2}, 1.23*10^{2}, 0.19, 1.9x10^{-2}, 19.0x10^{-3}, 1.90E-02

      2. Plus or minus one digit error in the third significant digit is permitted.
   B. For stated problems
      1. Except for integer and dollar sign, as detailed below, answers to stated problems should be written with three significant digits.
      2. Integer problems are indicated by (integer) in the answer blank. Integer problems answers must be exact, no plus or minus one digit, no decimal point or scientific notation.
      3. Dollar sign ($) problems should be answered to the exact cent, but plus or minus one cent error is permitted. The decimal point and cents are required for exact-dollar answers.

III. Some symbols used on the test
   A. Angle measure: rad means radians; deg means degrees.
   B. Inverse trigonometric functions: arcsin for inverse sine, etc.
   C. Special numbers: π for 3.14159 ...; e for 2.71828...
   D. Logarithms: Log means common (base 10); Ln means natural(base e).

IV. Scoring:
1. Problems answered correctly are worth FIVE points. FOUR points will be deducted for all problems answered incorrectly or skipped before the last problem attempted.

24U–1.   –2470 – 6700 -- 1=_____

24U–2.   32 – 25 – 17 -- 2=_____

24U–3.   59 + 62 + 22 -- 3=_____

24U–4.   25 + π + 3 + 14 --------------------------------------- 4=_____

24U–5.   3660 – 1940 – 4980 – 2680 ------------------------------ 5=_____

24U–6.   121 – 66.5 – 74.5 + 188 + 182 -------------------------- 6=_____

24U–7.   1.17 – 0.645 + 1.14 – 1.53 – 1.51 --------------------- 7=_____

24U–8.   1.94 + 1.41 – 1.97 + 0.607 + 2.33 --------------------- 8=_____

24U–9.   193 x 262 x 25.8 -- 9=_____

24U–10.   5070 x 3300 x 3070 x 114 ------------------------------ 10=_____

24U–11.   What is the absolute value of the difference between
           eighty-seven and one-hundred twenty-eight?-------------- 11=_____ integer

24U–12.   It took Aidyn 1.75 hours to drive her bike to school for band
           practice. If her school is 21 miles from her house, what was
           her average speed in miles per hour (mph)? --------------- 12=_____ (mph)

24U–13.   How many days are in the fourth quarter of this year? ----- 13=_____ (days)integer

24U–14. $(337)[916 \times 175/364]$ ------------------------------------ 14=_____

24U–15. $164/[205 \times 60 \times 36]$ ------------------------------------ 15=_____

24U–16. $\{(-102)(41 - 43)(149)\} - 30300$ ----------------------- 16=_____

24U–17. $\left[\dfrac{470}{269}\right][(385/406) + 0.358]$ -------------------------------- 17=_____

24U–18. $\dfrac{[25.1/(13.9)]/2.68 \times 10^{-4}}{(0.141 \times 0.158)(0.00851)}$ ------------------------------- 18=_____

24U–19. $\left[\dfrac{(349 + 481)}{107/106}\right]\left[\dfrac{0.0282}{0.00369}\right]$ ------------------------------ 19=_____

24U–20. $\dfrac{372}{(100 - 49)} - \dfrac{(167 - 95)}{140}$ ------------------------------ 20=_____

24U–21. $\dfrac{(\pi)(43/14)(39/72)}{822}$ -- 21=_____

24U–22. $\left[\dfrac{734 + 388}{235 - 220}\right]\left[\dfrac{449}{438}\right]$ -- 22=_____

24U–23. $\dfrac{[-(1940 + 817)(1670 - 1350)]}{(1.46 \times 10^{-4}/(0.131))}$ --------------------------- 23=_____

24U–24.   The US Golf Association limits the weight of a golf ball to 1.620 ounces. If Elias buys 5 pounds of golf balls, what is the fewest number of balls he should expect? ------------------ 24=_____ integer

24U–25.   The winter woodland forever stamp from the US Post Office features a fox in the foreground and sells for 66¢. How many stamps can be purchased with a $50 bill? ----------- 25=_____ integer

24U–26.   Lauralyn walks 1.4 km to Whonnock Elementary school. If she stops 10 min to pet a horse on the way, how long does she take to walk to school if she walks at an average speed of 5 km/h?--- 26=_____ minutes

24U–27. $\dfrac{(0.535 + 0.227)(91.9 + 128)}{(2.17 \times 10^{12})}$ ---------------------------- 27=_____

24U–28. $[6640 - (1770 + 4430)] + [(0.0716)(8440 - 2670)]$ ---- 28=_____

24U–29. $\dfrac{(0.425 - 0.529)(0.831 + 4.67)}{(2.16 \times 10^{12})}$ --------------------------- 29=_____

24U–30. $[639]\left[\dfrac{1/0.0025}{1/0.0108}\right]$ --------------------------------------- 30=_____

24U–31. $\dfrac{1}{148} + \dfrac{1}{(\pi)(983 - 722)}$ ---------------------------------- 31=_____
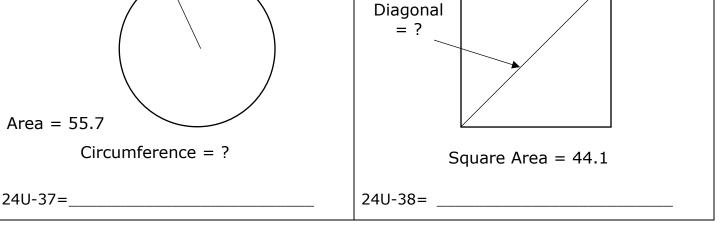
24U–32. $(0.00516)\left[\dfrac{0.0117}{(9.96 \times 10^{9})}\right]$ ------------------------------ 32=_____

24U–33. $1/(0.0748 - 0.0651) - 1/(0.00383)$ ---------------------- 33=_____

24U–34. $\left[\dfrac{1/1480}{1/2680}\right][4.87 \times 10^{5}]$ ----------------------------------- 34=_____

24U–35.   Oswin's parents gave him the Marvel Avengers Ultimate
Protectors Pack which included 8 action figures. If the figures
cost $3.99, $4.99, $5.99, $4.99, $2.99, $6.99, $4.99, and
$4.99, what was the average price per figure?------------- 35=$_____

24U–36.   Amber passes a parked State Trooper travelling at 80 mph.
Amber gets 2 miles ahead before the State Trooper gets to
100 mph. How long will it take the State Trooper to catch
Amber? --- 36=_____ minutes

24U-37.	24U-38.
CIRCLE	SQUARE
Area = 55.7	Diagonal = ?
Circumference = ?	Square Area = 44.1
24U-37=_____	24U-38= _____

24U−39. $\dfrac{(12500 + 5290)^3}{(0.0316 - 0.0439)^2}$ ------------------------------------- 39=_____

24U−40. $\left[\dfrac{58500 + (1/(1.73\text{x}10^{-5}))}{(15500/38700) - 0.377}\right]^2$ ----------------------------- 40=_____
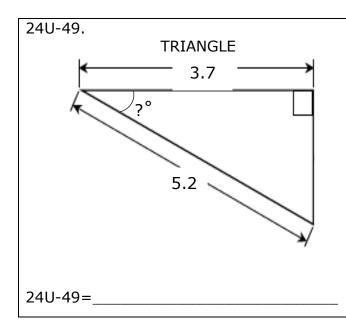
24U−41. $\sqrt{\dfrac{0.285 + 0.0388}{0.434 - 0.349}}$ --------------------------------------- 41=_____
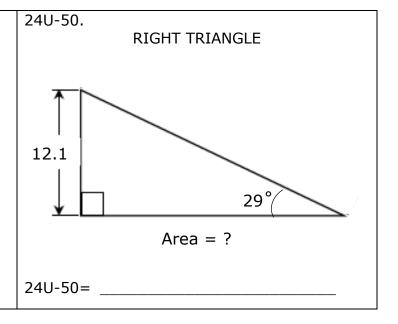
24U−42. $\sqrt{1290 - 1030 + 255} - \sqrt{960}$ ---------------------------- 42=_____

24U−43. $\sqrt{475} + \sqrt{135 + 169} - (\pi)\sqrt{99.6}$ -------------------------- 43=_____

24U−44. $(1/(0.0334))(5860 - 1710)^2$ ----------------------------- 44=_____

24U−45. $\sqrt[3]{0.901 - 728/1270} + 1/\sqrt{9.09 + 11.3}$ ------------------- 45=_____

24U−46. $\dfrac{(3840 + 1330)^{1/2}}{(52800 - 33500)^{1/5}}$ --------------------------------------- 46=_____

24U−47. Papa flies north from Washington DC for one hour at 180 mph.
Nonna starts one hour earlier and drives at 70 mph for 2
hours due west. How far apart are they from each other
now? -- 47=_____ miles

24U−48. A square plot of land has a 5,000-foot cable stretched
diagonally from one corner to the other. What is the area
of the square plot of land?---------------------------------- 48=_____ ft²

24U-49.
TRIANGLE

24U-49=_____

24U-50.
RIGHT TRIANGLE

Area = ?

24U-50= _____

24U–51. $\dfrac{(836 + 424 - 590)^4}{\sqrt{0.00456 + 0.00904 + 0.0234}}$ ---------------------------- 51=_____

24U–52. $\dfrac{\sqrt{1.39 + \pi + 1.92}}{(11000 - 13400 + 13100)^4}$ -------------------------------- 52=_____

24U–53. $\left[\dfrac{892 - 300 + \sqrt{2.45\times10^7/115}}{-2.63 + 3.24}\right]^4$ ------------------------- 53=_____

24U–54. $0.512 + \sqrt{(618)/(1190)} - (0.345 + 0.534)^2$ -------------- 54=_____
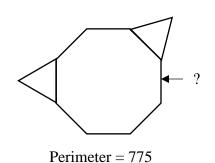
24U–55. $\sqrt{\dfrac{(3.09\times10^5)(1.48\times10^5)}{(46100)(85700)}} - 2.71 + 0.959$ ---------------- 55=_____

24U–56. $(0.212)(5.80\times10^9)^{1/2} - [(15100)(55400)]^{1/2}$ ------------ 56=_____
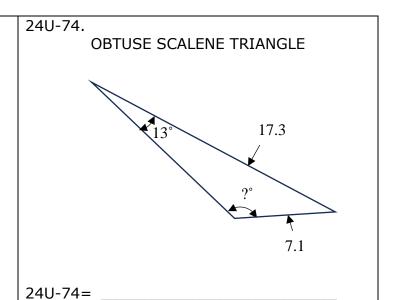
24U–57. $\sqrt{\dfrac{(507)(872)}{(1400) + (1850)}} - 19.8$ -------------------------------- 57=_____

24U–58. (deg) $\tan(2840°) + (958/961)$ ---------------------------- 58=_____

24U–59. Mole day was celebrated this year on Monday, October 23. A mole is a mathematical constant called Avogadro's Number (6.022×10^{23}). A molecule of water (H_2O) has a molecular weight of 18 so a mole of water is 18 grams. One cup of water is 236 grams. How many moles of water are in one cup of water? -- 59=_____

24U–60. The Theory of Relativity developed by Albert Einstein is $E=mc^2$. E is energy in Joules, m is mass in kilograms, and c is the speed of light in a vacuum (300,000,000 m/s). A shovelful of dirt is about 5 kilograms. The consumption of energy in the US is predicted to be about 1.44×10^{19} Joules of energy. If we could use all the energy available in a shovelful of dirt, how many shovelfuls of dirt would be needed to power the US for one year?---------------------- 60=_____

24U-61.
RECTANGULAR PRISM

?

9.8

5.7

Surface Area = 388

24U-61=_____

24U-62.
CYLINDER

11.8

Radius = ?

Volume = 101

24U-62= _____

24U–63. $\dfrac{9!}{7!} + 5!$ -- 63=_____

24U–64. $(5.76 - \pi)e^{0.409}$ --- 64=_____

24U–65. $(6.02 \times 10^7 - 3.46 \times 10^7)^{-8}(1.80 \times 10^9)$ --------------------- 65=_____

24U–66. (rad) $\dfrac{\sin(154)}{137/277}$ -- 66=_____

24U–67. (rad) $\tan\left[\dfrac{(65.4)(\pi)}{(51.5)(2.16)}\right]$ ------------------------------------ 67=_____

24U–68. (rad) $(7.89)\cos(65)$ --- 68=_____

24U–69. (deg) $\dfrac{\sin(314°)}{161 + 301}$ -------------------------------------- 69=_____

24U–70. $(164 - 49.8 + 184)^{5/3}$ ------------------------------------- 70=_____

24U–71. Grain is stored in a cone-shaped pile that is 25 feet tall. The base of the grain has a circumference of 500 feet. If the top ten feet of grain was removed, what is the volume of the grain left? --- 71=_____ ft^3

24U–72. The product of three consecutive odd integers is 912,285. What is the sum of the three integers? -------------------- 72=_____

24U-73.
REGULAR OCTAGON AND EQUILATERAL TRIANGLES

Perimeter = 775

24U-73=_____

24U-74.
OBTUSE SCALENE TRIANGLE

$13°$

17.3

$?°$

7.1

24U-74= _____

24U−75. $\dfrac{(0.763)^{0.832}(2.12)^{0.258}}{(88.9 - 23)^{-3}}$ ---------------------------------- 75=_____

24U−76. $\dfrac{Log(6990 + 2870)}{5330 - 1360}$ -- 76=_____

24U−77. $2Log\sqrt{\dfrac{(364)(2.41)}{2.63 + 3.32}}$ --- 77=_____

24U−78. $\dfrac{Log[20.6 + (6.57)(7.47)]}{0.344 + Log[11.2 + 12.7]}$ ---------------------------------- 78=_____
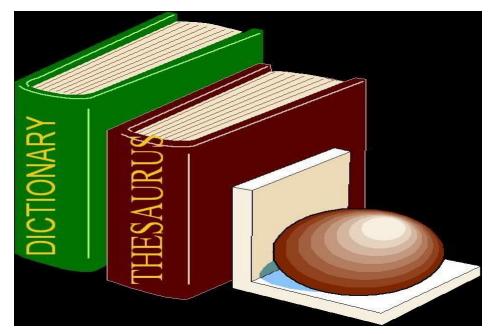
24U−79. $2 + 4 + 6 + … + 508$ ------------------------------------- 79=_____

24U−80. $(0.439) - \dfrac{(0.439)^2}{2} + \dfrac{(0.439)^3}{3} - \dfrac{(0.439)^4}{4}$ --------------- 80=_____

24U-1   = -9170
        = -9.17×10^3

24U-2   = -10.0
        = -1.00×10^1

24U-3   = 143
        = 1.43×10^2

24U-4   = 45.1
        = 4.51×10^1

24U-5   = -5940
        = -5.94×10^3

24U-6   = 350
        = 3.50×10^2

24U-7   = -1.37
        = -1.37×10^0

24U-8   = 4.32
        = 4.32×10^0

24U-9   = 1.30×10^6

24U-10 = 5.86×10^{12}

24U-11 = 41 integer

24U-12 = 12.0
        = 1.20×10^1

24U-13 = 92 integer

24U-14 = 148000
        = 1.48×10^5

24U-15 = 0.000370
        = 3.70×10^{-4}

24U-16 = 96.0
        = 9.60×10^1

24U-17 = 2.28
        = 2.28×10^0

24U-18 = 3.55×10^7

24U-19 = 6280
        = 6.28×10^3

24U-20 = 6.78
        = 6.78×10^0

24U-21 = 0.00636
        = 6.36×10^{-3}

24U-22 = 76.7
        = 7.67×10^1

24U-23 = -7.92×10^8

24U-24 = 49 integer

24U-25 = 75 integer

24U-26 = 26.8
        = 2.68×10^1

24U-27 = 7.72×10^{-11}

24U-28 = 853
        = 8.53×10^2

24U-29 = -2.65×10^{-13}

24U-30 = 2760
        = 2.76×10^3

24U-31 = 0.00798
        = 7.98×10^{-3}

24U-32 = 6.06×10^{-15}

24U-33 = -158
        = -1.58×10^2

24U-34 = 882000
        = 8.82×10^5

24U-35 = $4.99

24U-36 = 6.00
        = 6.00×10^0

24U-37 = 26.5
        = 2.65×10^1

24U-38 = 9.39
        = 9.39×10^0

24U-39 $= 3.72 \times 10^{16}$

24U-40 $= 2.45 \times 10^{13}$

24U-41 $= 1.95$
        $= 1.95 \times 10^{0}$

24U-42 $= -8.29$
        $= -8.29 \times 10^{0}$

24U-43 $= 7.88$
        $= 7.88 \times 10^{0}$

24U-44 $= 5.16 \times 10^{8}$

24U-45 $= 0.911$
        $= 9.11 \times 10^{-1}$

24U-46 $= 9.99$
        $= 9.99 \times 10^{0}$

24U-47 $= 228$
        $= 2.28 \times 10^{2}$

24U-48 $= 1.25 \times 10^{7}$

24U-49 $= 44.6$
        $= 4.46 \times 10^{1}$

24U-50 $= 132$
        $= 1.32 \times 10^{2}$

24U-51 $= 1.05 \times 10^{12}$

24U-52 $= 1.94 \times 10^{-16}$

24U-53 $= 8.90 \times 10^{12}$

24U-54 $= 0.460$
        $= 4.60 \times 10^{-1}$

24U-55 $= 1.65$
        $= 1.65 \times 10^{0}$

24U-56 $= -12800$
        $= -1.28 \times 10^{4}$

24U-57 $= -8.14$
        $= -8.14 \times 10^{0}$

24U-58 $= 0.158$
        $= 1.58 \times 10^{-1}$

24U-59 $= 13.1$
        $= 1.31 \times 10^{1}$

24U-60 $= 32.0$
        $= 3.20 \times 10^{1}$

24U-61 $= 8.91$
        $= 8.91 \times 10^{0}$

24U-62 $= 1.65$
        $= 1.65 \times 10^{0}$

24U-63 $= 192$
        $= 1.92 \times 10^{2}$

24U-64 $= 3.94$
        $= 3.94 \times 10^{0}$

24U-65 $= 9.76 \times 10^{-51}$

24U-66 $= -0.125$
        $= -1.25 \times 10^{-1}$

24U-67 $= -3.53$
        $= -3.53 \times 10^{0}$

24U-68 $= -4.44$
        $= -4.44 \times 10^{0}$

24U-69 $= -0.00156$
        $= -1.56 \times 10^{-3}$

24U-70 $= 13300$
        $= 1.33 \times 10^{4}$

24U-71 $= 1.55 \times 10^{5}$

24U-72 $= 291$
        $= 2.91 \times 10^{2}$

24U-73 $= 77.5$
        $= 7.75 \times 10^{1}$

24U-74 $= 147$
        $= 1.47 \times 10^{2}$

24U-75 $= 277000$
        $= 2.77 \times 10^{5}$

24U-76 $= 0.00101$
        $= 1.01 \times 10^{-3}$

24U-77 $= 2.17$
        $= 2.17 \times 10^{0}$

24U-78 $= 1.07$
        $= 1.07 \times 10^{0}$

24U-79 $= 64800$
        $= 6.48 \times 10^{4}$

24U-80 $= 0.362$
        $= 3.62 \times 10^{-1}$

THE ▼IRTUAL MEET EXPERIENCE

PRESENTS

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

DICTIONARY SKILLS 5/6

DO NOT OPEN TEST UNTIL TOLD TO DO SO

The Virtual Challenge Meets™

2023-2024
Middle School Virtual Challenge Meet #3
Dictionary Skills Test - Grades 5 & 6

1. A Valhalla is the hall of Odin in _____ mythology.
    A. Roman
    B. Germanic
    C. Norse
    D. Greek

2. The plural form of billet-doux is spelled
    A. billet-douxes.
    B. billets-doux.
    C. billets-douxes.
    D. billet-doux.

3. An anecdote is a(an)
    A. exception to a grammar rule.
    B. small asteroid.
    C. substance that counteracts a poison.
    D. brief story from someone's personal life.

4. Skulduggery
    A. is a part of voodoo.
    B. involves trickery.
    C. entails grave robbery.
    D. is found in the Underworld.

5. If something is extraneous, it is
    A. of extreme importance.
    B. quite expensive.
    C. from outer space.
    D. not necessary.

6. A plat is a(an)
    A. small plot of ground.
    B. unkind or shallow comment.
    C. serving dish.
    D. colorless disk-shaped body in the blood.

7. The abbreviation "ff" stands for
    A. freedom fighters.
    B. firefighters.
    C. frequently asked questions.
    D. and the following ones.

8. A mangrove is a tropical tree or shrub that grows
    A. at high altitude.
    B. in shady areas.
    C. in the rainforest.
    D. in saltwater

9. A word meaning "carried, deposited, produced, or eroded by the wind" is
    A. careen.
    B. appall.
    C. eolian.
    D. trapunto.

10. A person who is "wizened" is
     A. magical.   C. wrinkled or shrunken.
     B. mournful.   D. well-educated.

11. Zooplankton is composed of
     A. animals.   C. coral.
     B. seaweed.   D. foliage.

12. The lower jaw of a vertebrate is a
     A. concatenate.   C. pinnace.
     B. wort.   D. mandible.

13. Dross is a type of
     A. oilfield material.   C. crustacean.
     B. fertilizer.   D. scum.

14.   In the American number system, the number of zeros in a quintillion is
     A. 15.   C. 18.
     B. 21.   D. 9.

15. A synonym for jig is
     A. trick.   C. gadget.
     B. screwdriver.   D. lure.

16. A freebooter is
     A. an escaped slave.   C. a pirate
     B. a cheater.   D. one who expects something for nothing.

17. A rowel has _____ round its edge.
     A. leather.   C. rubber.
     B. sprockets.   D. sharp points.

18. To "quaff" is to
     A. drink freely.   C. intercept a lacrosse ball.
     B. win a hand in poker.   D. back out on an agreement.

19. A dragnet is used to
     A. filter chaff from grain.   C. collect butterflies.
     B. catch a criminal.   D. prevent computer malware.

20. The Roman numeral for 80 is
    A. LCCC.   C. LXXX.
    B. XC.   D. XXXC.

21. A synonym for drivel is
    A. drizzle.   C. macadam.
    B. deception.   D. slobber.

22. A plural form for proboscis is
    A. proboscis.   C. probosci.
    B. proboscides.   D. proboscae.

23. A ukulele usually has ____ strings.
    A. 4   C. 5
    B. 6   D. 8

24. The planet Jupiter's mean distance from the sun is
    A. 5.20 astronomical units.   C. 1.52 astronomical miles.
    B. 483.78 kilometers.   D. 9.54 million miles.

25. A cruse is used to carry
    A. people.   C. liquids.
    B. dynamite.   D. rocks.

26. A strop is utilized to
    A. align carpet.   C. conceal valuables.
    B. sharpen a razor.   D. scrape barnacles off a ship.

27. Molto is a term used in
    A. laboratory testing.   C. taxidermy.
    B. the study of volcanoes.   D. music.

28. The god of fire in Greek mythology is
    A. Epicurus.   C. Hephaestus.
    B. Hades.   D. Dionysus.

29. A Hindu queen is called a
    A. Muscovite.   C. fugue.
    B. rani.   D. coppice.

30. If someone is "het up," he or she is
    A. highly excited.   C. very lucky.
    B. extremely nervous.   D. unreasonable.

31. An old woman can be called a(an)
    A. mazy.   C. epsilon.
    B. wasp.   D. beldam.

32. The interjection "ho" is used to
    A. express approval.   C. attract attention.
    B. signify happiness.   D. express anger.

Match each of the following words to its correct meaning.

33. _____ wastrel   A. a body part that receives swallowed food

34. _____ niacin   B. spendthrift

35. _____ bouclé   C. to reduce the harshness of the violence of

36. _____ maw   D. impure mass of diamond particles

37. _____ xeric   E. an acid of the vitamin B complex

38. _____carbonado   F. to spread through as if by dyeing

39. _____ mollify   G. an uneven yarn of three fibers

40. _____ imbue   H. requiring little moisture

Name: _____   **School:** _____   **MS VCM #** _____

Middle School Virtual Challenge Meets
Dictionary Skills • Student Answer Sheet

Circle Grade Level:

5   6   7   8

1.	A	B	C	D				
2.	A	B	C	D				
3.	A	B	C	D				
4.	A	B	C	D				
5.	A	B	C	D				
6.	A	B	C	D				
7.	A	B	C	D				
8.	A	B	C	D				
9.	A	B	C	D				
10.	A	B	C	D				
11.	A	B	C	D				
12.	A	B	C	D				
13.	A	B	C	D				
14.	A	B	C	D				
15.	A	B	C	D				
16.	A	B	C	D				
17.	A	B	C	D				
18.	A	B	C	D				
19.	A	B	C	D				
20.	A	B	C	D				

21.	A	B	C	D				
22.	A	B	C	D				
23.	A	B	C	D				
24.	A	B	C	D				
25.	A	B	C	D				
26.	A	B	C	D				
27.	A	B	C	D				
28.	A	B	C	D				
29.	A	B	C	D				
30.	A	B	C	D				
31.	A	B	C	D				
32.	A	B	C	D				
33.	A	B	C	D	E	F	G	H
34.	A	B	C	D	E	F	G	H
35.	A	B	C	D	E	F	G	H
36.	A	B	C	D	E	F	G	H
37.	A	B	C	D	E	F	G	H
38.	A	B	C	D	E	F	G	H
39.	A	B	C	D	E	F	G	H
40.	A	B	C	D	E	F	G	H

2023-2024
Middle School Virtual Challenge Meet #3
Dictionary Skills - 5th/6th Grade - ANSWER KEY

CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK
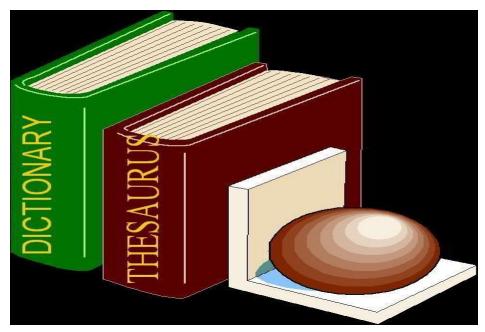
1. C	21. D
2. B	22. B
3. D	23. A
4. B	24. A
5. D	25. C
6. A	26. B
7. D	27. D
8. D	28. C
9. C	29. B
10. C	30. A
11. A	31. D
12. D	32. C
13. D	33. B
14. C	34. E
15. A	35. G
16. C	36. A
17. D	37. H
18. A	38. D
19. B	39. C
20. C	40. F

THE ▼IRTUAL MEET EXPERIENCE

PRESENTS

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

DICTIONARY SKILLS 7/8

DO NOT OPEN TEST UNTIL TOLD TO DO SO

The Virtual Challenge Meets™

2023-2024
Middle School Virtual Challenge Meet #3
Dictionary Skills Test - Grades 7 & 8

1. A sagacious person is like to make _____ decisions.
    A. unreliable.   C. group.
    B. wise.   D. foolish.

2. A synonym for medusa is
    A. monster.   C. blatant.
    B. enormous.   D. jellyfish.

3. Ciré is a(an)
    A. city in southern France.   C. shiny fabric that looks wet.
    B. virulent computer virus.   D. constellation in the southern sky.

4. A word meaning "green vegetation" is
    A. lard.   C. hist.
    B. verdure.   D. choline.

5. Perlite originates in
    A. a volcano.   C. a medical laboratory.
    B. a cave.   D. the roots of the yucca plant.

6. To "gild" something, one would cover it with
    A. waterproofing.   C. a coating of gold.
    B. a layer of stainless steel.   D. a nonstick coating.

7. Bairn is a Scottish term for a(an)
    A. bagpipe.   C. township.
    B. barn.   D. child.

8. A scuppernong is a type of
    A. sailor.   C. Greek slave in the first century B.C.
    B. grape.   D. criminal.

9. Distaff means relating to or being a(an)
    A. secretary.   C. servant.
    B. woman.   D. employee of a state senator.

10. The hard, outer coat of a seed is a(an)
    A. testa.   C. maxim.
    B. scrag.   D. dominie.

11. The mottled dog was covered in
    A. mud.   C. a pattern of different colored blotches.
    B. painful, seeping sores.   D. patches of missing hair.

12. Baroque art is marked by the use of
    A. bright colors.   C. distortion.
    B. subtle shading.   D. fancy decorations.

13. A toupee is used to cover
    A. the entry to a teepee.   C. a racehorse's eyes.
    B. a bald spot.   D. a rain barrel.

14. A wombat resembles a(an)
    A. small bear.   C. sloth.
    B. raptor.   D. mongoose.

15. An itinerant worker is someone who
    A. works in a steel mill.   C. travels from place to place.
    B. lives and works overseas.   D. works in the IT department of a business.

16. A word for the blue color of the clear sky is
    A. lamina.   C. brazier.
    B. surcease.   D. azure.

17. A youth who is passing from boyhood to manhood is called a
    A. hoagie.   C. snapper.
    B. stripling.   D. progeny.

18. An ocarina is a type of
    A. musical instrument.   C. clam-like seashell.
    B. silvery gem.   D. flowering bush in Hawaii.

19. Big top refers to
    A. a bouffant hair style.   C. the main tent of a circus.
    B. a chief executive officer.   D. a hubristic person.

20. What is the mass of the planet Mars relative to Earth?
    A. 1.00
    B. 0.82
    C. 0.11
    D. 317.82

21. A long ton equals
	A. 2000 pounds. C. 0.907 metric ton.
	B. 1.016 metric tons. D. 100 pounds.

22. Acrophobia is a fear of
	A. large crowds. C. heights.
	B. enclosed spaces. D. rodents.

23. The seamstress used heavy woolen cloth called _____ to make the overcoat.
	A. khaki. C. canvas.
	B. melton. D. ribbed cotton.

24. The staid man was
	A. rather unreasonable.
	B. a showy dresser.
	C. always sharing jokes.
	D. calm and serious in manner.

25. A synonym for increment is
	A. increase. C. excrement.
	B. leveled. D. hardened.

26. A shortened form of forecastle is
	A. for'csl. C. f'castle.
	B. fo'c'sle. D. fo'castle.

27. A wet and marshy or muddy place is a
	A. lattice. C. slough.
	B. daw. D. underpin.

28. A whelp is a term for
	A. a young person. C. beneficial advice.
	B. a spiraled shell. D. an unrequited lover.

29. Kabuki is a Japanese
	A. sport. C. school.
	B. drama. D. ruler.

30. Valentine was a 3rd century
	A. Italian romantic poet. C. Christian martyr.
	B. Arthurian knight. D. gladiator.

31. A jerboa is a(an)
     A. sash worn by a priest.   C. organic succulent.
     B. social jumping rodent.   D. Algonquian canoe.

32. A tocsin is used as a
     A. poison.   C. lubricant.
     B. warning signal.   D. humidifier.

Match each of the following words to its correct meaning.

33. _____ necromancy   A. a metal loop attached to the lower corner of a sail

34. _____ harlequin   B. to hear the confession of and administer penance

35. _____ shrive   C. a tired or nervous condition

36. _____ clew   D. knockout

37. _____ frazzle   E. calling up the spirits of the dead

38. _____kayo   F. clown

39. _____ ibex   G. very excited and mixed up

40. _____ tizzy   H. any of several wild goats

Name: _____   School:_____   MS VCM #_____

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FOR GRADER USE ONLY

_____out of 120.   Grader #1 Initials_____
_____out of 120.   Grader #2 Initials_____

CORRECT ANSWER = 3 PTS
INCORRECT ANSWER = (-2) PTS
NO PENALTY FOR LEAVING BLANK
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Middle School Virtual Challenge Meets
Dictionary Skills • Student Answer Sheet
Circle Grade Level:

5   6   7   8

1.	A	B	C	D			
2.	A	B	C	D			
3.	A	B	C	D			
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33.	A	B	C	D	E	F	G	H
34.	A	B	C	D	E	F	G	H
35.	A	B	C	D	E	F	G	H
36.	A	B	C	D	E	F	G	H
37.	A	B	C	D	E	F	G	H
38.	A	B	C	D	E	F	G	H
39.	A	B	C	D	E	F	G	H
40.	A	B	C	D	E	F	G	H

2023-2024
Middle School Virtual Challenge Meet #3
Dictionary Skills - Grades 7 & 8 – Answer Key

CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1. <u>B</u>
2. <u>D</u>
3. <u>C</u>
4. <u>B</u>
5. <u>A</u>
6. <u>C</u>
7. <u>D</u>
8. <u>B</u>
9. <u>B</u>
10. <u>A</u>
11. <u>C</u>
12. <u>D</u>
13. <u>B</u>
14. <u>A</u>
15. <u>C</u>
16. <u>D</u>
17. <u>B</u>
18. <u>A</u>
19. <u>C</u>
20. <u>C</u>

21. <u>B</u>
22. <u>C</u>
23. <u>B</u>
24. <u>D</u>
25. <u>A</u>
26. <u>B</u>
27. <u>C</u>
28. <u>A</u>
29. <u>B</u>
30. <u>C</u>
31. <u>B</u>
32. <u>B</u>
33. <u>E</u>
34. <u>F</u>
35. <u>B</u>
36. <u>A</u>
37. <u>C</u>
38. <u>D</u>
39. <u>H</u>
40. <u>G</u>

Shackelton's Endurance

The battery powered underwater submersible crept along the seafloor, sending its sonar signals in all directions. If anything was there, the signal would bounce back to its origin and alert those nearly 10,000 feet above, bobbing up and down on the ocean's surface. The researchers there were stationed on an icebreaker ship named Agulhas II. But so far, there was no sign of anything on the bottom of the Arctic Ocean. They had been there for almost two weeks and everyone on board was starting to grow weary. The Agulhas had been commissioned by the Falklands Maritime Heritage Trust and funded by an anonymous donation of 10 million dollars. Now, the expedition's leader, John Shears, wondered if all that money would prove fruitful.

1:00 Then, suddenly an alarm from the sonar submersible began blaring.   After searching over 150 square miles with no success, everyone was eager to see the video screens of what lay beneath the water. After a few minutes, the cameras panned around the dark depths. Suddenly, everyone watching the screen gasped. From total darkness one word slowly became illuminated, *ENDURANCE*. John Shears immediately knew they had found the ship they were sent to find. If only its captain could see it now. That captain was Ernest Shackleton.

He was born in Ireland in 1874. His father was a doctor and moved the family to London when Ernest was six years old. Ernest was never very interested in studying in school and hated that his teachers constantly forced him to read. He once said, "teachers should be very careful not to spoil [their pupils'] taste for poetry for all time by making it a task and imposition." By the time he was 16, it was obvious his restlessness wouldn't allow any more academic studies. With his wanderlust being high, he briefly considered a career in the British Royal Navy, but at that time, one needed considerable money to become an officer. Even with his dad being a doctor, Ernest couldn't afford the position. So, he finally settled on a job at the 2:00 North Western Shipping Company on a ship called the *Hoghton Tower*.

The next four years would be spent traveling the world, all the while Ernest was learning new cultures and the trade of sailing. By 1898, he was considered a master mariner by the British government, a title that would allow him to command a British ship in every corner of the world. It was quite the accomplishment for a 24 year old.

In 1899, the Boer War began on the African continent. Boer is an Afrikaan word that means farmer. It described the Dutch that settled the southern tip of Africa, called the Cape, in the 1600s. In the next two centuries though, the British had inundated the same area, especially after gold was found in 1886. But the native Africans, who didn't want British rule, fought back. Shackleton would join a steamer named *Tintagel Castle* when the war began, transporting troops to the battlefields. On that ship he would meet a man whose father was organizing a scientific and geographical expedition to Antarctica. Ernest knew he had to be a member of it.

He quickly made friends with the expedition's leader and impressed him enough to offer him a position on the expedition's ship. Officially, the expedition was named the British National Antarctic Expedition, but was informally known as the Discovery Expedition, after the expedition's ship.

3:00   When the group departed London on July 31, 1901, no human had ever been to the South Pole on the continent of Antarctica. The continent itself was relatively new to science anyway, only having been found by a Russian expedition in 1820, therefore becoming the seventh and last continent to be discovered. It had immediately piqued the imaginations of explorers and scientists the world over, and soon groups were traveling there regularly. Many dreamed of being the first human to stand on the South Pole. The *Discovery* Expedition would try to reach that goal.

It took them almost six months to sail the length of Africa and then cross the open waters of the southern Atlantic Ocean to reach Antarctica. They arrived on January 8, 1902. Immediately the group launched a balloon to take scientific readings and they prepared to take dogs with sleds on the huge ice sheet in order to find a route as far south as possible.   But the ice sheet proved a formidable task. It was named the Ross Ice Sheet after a previous explorer, but was commonly known as the Great Ice Barrier. Traversing its flat expanse though was tricky. In most places the ice would rise vertically anywhere from 50 to 100 feet. Thankfully though, there are crevasses that make the climbs much more manageable.

4:00   Luckily, from their anchorage at McMurdo Sound, they were able to find a route to the top of the flat piece of ice and begin their trek with dogs and sleds. They quickly reached the farthest southern point for any person, definitely a success. But soon, many of the dogs began to fall ill from spoiled food. The three men as well would all suffer from various ailments of snow blindness, frostbite, and scurvy. Scurvy is a deficiency of Vitamin C. Shackleton knew the expedition needed to return to the *Discovery*. So they slowly trudged back to their boat, with their journey across the ice lasting more than two months. After returning, everyone felt the expedition had been a success, but they were also happy to be returning to Britain.

Upon returning, Ernest found himself a celebrity. The Royal Navy wanted his knowledge of Antarctica. A British publication called the Royal Magazine hired him to write stories about his experiences. But, he found this unfulfilling and took a job at the Royal Scottish Geographical Society (RSGS). The RSGS is a group dedicated to advancing geographic knowledge. His celebrity status then led him briefly into politics as a Liberal Unionist Party candidate. But he was unsuccessful in that arena. During this time, the allure of Antarctica kept drawing him in its direction. By 1914, he was ready to make another adventure to that continent.

5:00   Since the 1901 expedition of the *Discovery*, adventurers had walked to the South Pole. So, Shackleton now wanted to traverse the entire continent, one side to the other. He officially named it the Imperial Trans-Antarctic Expedition. Today it is more commonly known as the *Endurance* expedition, after the ship that took him to Antarctica. His plan was to travel on the *Endurance*, anchoring in a huge bay off the Antarctic coast called the Weddell Sea. Then, he and five other men would disembark and begin their crossing, traversing the continent and meeting another ship, the *Aurora*, at McMurdo Station, their old anchorage with the *Discovery*, thirteen years earlier. Their journey would be 1800 miles of brutal ice and cold. In spite of the hardships, he received more than 5,000 applications to join the group. Also surprisingly, most of the cost for the trip would be given by private donations. The outbreak of World War I on June 28, 1914 temporarily put the departure of the trip on hold, but soon after, the First Lord of the Admiralty, Winston Churchill, gave them orders to depart. It took the ships several months to make the voyage to the southern hemisphere. But on December 5, the *Endurance* departed the island of South Georgia, far off the southern coast of South America, and headed south towards the Weddell Sea.

As the ship moved south over the next two months, the seas became increasingly worse. When they entered the Weddell Sea, ice began building around the ship, making it increasingly more difficult to move south towards land. By January 19, 1915, the vessel was frozen solid in the ice. This ice was not attached to land though. It was still moving! Ice that's over open water sometimes moves with the tides and currents. It's called drift ice.

6:00   Shackleton knew the expedition was in dire straits. Their boat couldn't move anymore. They were at the mercy of the northerly drifting motion of the frozen sea. Worse yet, winter was just beginning as February ended. There was no hope of escape for several months at least. Maybe the spring thaw in October would free the ship. Remember, the seasons are reversed in the Southern Hemisphere.

Finally in October, the ice began breaking apart. But even this posed a new risk. As it crumbled, the sheer weight of the ice began pulling the *Endurance* into pieces. On October 24, a hole appeared in the hull and water began streaming inside. Everyone immediately began moving all supplies off the vessel to the ice. For almost a month, the crew watched the boat slowly fill with water. And then, on November 21, 1915, the *Endurance* slipped below the surface and disappeared.

7:00 107 years later the submersible from the Agulhas II trained its lights and cameras on the sunken wreck, sitting upright and a bit disheveled, but otherwise intact. But, because of the Antarctic Treaty, signed in 1959 by twelve countries, the ship is a "historical monument". Therefore, it cannot be disturbed.   Some people think it's too important to leave at the bottom of the ocean though. They say it will eventually decompose and be lost forever. Its final fate is yet to be determined.
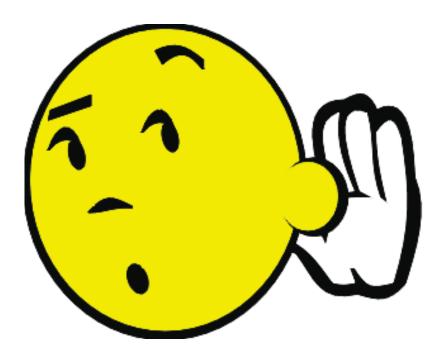
But what happened to Shackelton and his men? They were now stranded on ice floating northward. Adrift in the Weddell sea, they would spend the next two months floating on the ice. Fittingly, they named their camp Patience Camp. Then on April 9, 1916, the ice broke apart enough that a permanent camp was no longer possible. Luckily, lifeboats from the *Endurance* were still usable and all men boarded them, still floating northward. Shackleton gave the order to begin rowing for the nearest land, Elephant Island. Five days later they set foot on the island, having spent well over a year on water. The only problem was Elephant Island wasn't inhabited, and it wasn't near any shipping lanes. So no ships would be coming close by anytime soon. Ernest realized their only hope was to try to return to South Georgia Island, their original departure point over a year earlier.

Before departing, Shackleton ordered only four weeks worth of food loaded into the boat. He knew if they weren't successful in that time, they would never make it. He chose five men from the expedition to accompany him and they set out from Elephant **8:00** Island on April 24, 1916. For fifteen days the group rowed through the stormy and tempestuous ocean. Then, land was sighted on May 8. Unfortunately, they couldn't land until the next day because of hurricane force winds. Now on the southern shore, Ernest and two men were tasked with walking across the island to the north shore, where the only habitation was located. He told three men to stay, while he took two others with him. They trudged for 36 hours over frozen mountains. Finally, on May 20, 1916, the group arrived at the whaling station named Stromness, having been gone for more than two years. He quickly sent a rescue boat to retrieve the men on the south side of the island. And after borrowing a tug boat from Chile, the remaining men on Elephant Island were rescued four months later! Throughout the whole ordeal, not one of the 27 members of the expedition would die.

THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

LISTENING SKILLS 5/6

DO NOT OPEN TEST UNTIL TOLD TO DO SO

The Virtual Challenge Meets™

Shackelton's Endurance

1. Ernest Shackelton was born in _____ in 1874.
   - A. Ireland
   - B. Italy
   - C. Brazil
   - D. Russia

2. On June 28, 1914, _____ began.
   - A. World War I
   - B. World War II
   - C. the American Revolution
   - D. the Russo-Japanese War

3. In the Southern Hemisphere, _____ is a spring month.
   - A. April
   - B. October
   - C. July
   - D. January

4. Ice that moves with tides and currents is called _____.
   - A. rippling ice
   - B. sinking ice
   - C. drift ice
   - D. heavy ice

5. When the *Endurance* Expedition was stranded at sea, they named the place where they were living _____.
   - A. Lonely Camp
   - B. Camp of No Return
   - C. Camp Heartbreak
   - D. Patience Camp

6. Antarctica was discovered by a(n) _____ expedition in 1820.
   - A. British
   - B. American
   - C. Russian
   - D. German

7. Shackleton briefly tried politics, running as a candidate in the _____ party.
   - A. Liberal Unionist
   - B. Whig
   - C. Tory
   - D. Liberal Democrat

8. After being stranded on ice, and finding Elephant Island, Ernest decided to row the liferafts back to _____ Island.
 A. North Ireland
 B. South Georgia
 C. East India
 D. West Asian

9. The _____ Treaty made the *Endurance* a historical monument.
 A. South American   B. Antarctic
 C. South Pole   D. British

10. The whaling station that Shackelton's group returned to after two years was called _____.
 A. Portland
 B. Normandy
 C. Durban
 D. Stromness

11. The group that commissioned the search for the *Endurance* was the _____ .
 A. Falklands Maritime Heritage Trust   B. British Aeronautical Commission
 C. Antarctic Shipbuilding Group   D. South African Submersible Searchers

12. Ernest Shackelton's father was a _____.
 A. farmer   B. botanist
 C. doctor   D. dentist

13. _____ began pulling the *Endurance* into pieces.
 A. wind   B. ice
 C. sharks   D. lightning

14. When the Endurance neared Antarctica, it entered the _____ Sea.
 A. Weddell   B. Yellow
 C. Arctic   D. Churchill

15. The men from the Endurance expedition planned to walk across Antarctica and meet a supply ship named the _____.
 A. *Northern Lights*   B. *Lightning Bolt*
 C. *Windjammer*   D. *Aurora*

16. The Imperial Trans-Arctic Expedition was the official name of what is more formally known as the _____ Expedition.
    A. *Endeavor*
    B. *Caravan*
    C. *Adventure*
    D. *Endurance*

17. Boer is an Afrikaan word that means _____.
    A. farmer   B. mechanic
    C. dentist   D. blacksmith

18. Many British immigrated to southern Africa after _____ was discovered there.
    A. silver   B. gold
    C. platinum   D. lithium

True/False

19. The icebreaker ship that found Shackelton's Endurance was named the Agulhas II.

20. By 1898, Shackleton was considered a master mariner.

21. The treaty that made the *Endurance* a historical monument was signed by twenty countries.

22. After World War I began, King George VI gave orders for the Endurance expedition to depart anyway.

23. During the English Civil War, Shackelton would join the crew of the Tintagel Castle.

24. The *Discovery* Expedition was able to reach the South Pole.

25. In order to rescue the last men stranded during the *Endurance* Expedition, Shackleton borrowed a boat from the country of Argentina.

Shackelton's Endurance

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2023-2024 Middle School Virtual Challenge Meet #3

Listening Skills - Grades 5th/6th - Answer Key

Correct Answer=3pts, Incorrect Answer=(-2) pts, No penalty for leaving blank

Shackelton's Endurance

1. ___A___
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12. ___C___
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14. ___A___
15. ___D___
16. ___D___
17. ___A___
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19. ___T___
20. ___T___
21. ___F___
22. ___F___
23. ___F___
24. ___F___
25. ___F___

The Allure of the Amazon

Vicente Yanez Pinzon eyed the coastline carefully. The ocean seemed to continue for miles as it wrapped around the point of land nearby. But his crew members informed him the water around the boat was brackish, or a mixture of saltwater and freshwater. Where were they? It was an area big enough to be an ocean, but with freshwater. Vicente knew he was witnessing something no other European had seen. He felt a long way from home.

His mind wandered back eight years before, to the year 1492. Then, he was captain of a ship named the *Nina* and his brother Martin was captain of a ship named the *Pinta*. They were two parts of a three vessel convoy being led by Christopher Columbus, captaining a ship named the *Santa Maria*. Columbus, an Italian, was being paid by King Ferdinand and Queen Isabella of Spain to find a new water route to Asia in order to more easily bring back silk and spices. The group would instead find two new continents, North and South America, opening a new world of exploration for many men that came to be known as conquistadors, or conquerors, in Spanish. Vicente would become one of these and eight years later, in 1500, would find himself floating off the coast of what would be called Brazil.

1:00

Pinzon ordered the ship to continue into the area of freshwater. After a few miles he realized the ship was in a huge estuary where a gigantic river emptied into the Atlantic Ocean. After a bit more investigation, the mouth of the river was measured to be over nine miles wide. Interestingly though, Columbus's group had never believed they had found new continents. They believed they had found the new route to India. That's why Columbus named the natives living there Indians. And when Pinzon started up this huge river, he believed he'd found the mouth of the Ganges, the most famous river in India.

He kept sailing upriver and eventually would travel almost fifty miles before turning around. Five years later he would be named the commander of a new Spanish colony on the island we today call Puerto Rico and its capital city of San Juan. But Pinzon wanted to keep exploring and he was soon searching through the jungles of South America again. He would die in 1514 and the new Spanish King Carlos V would be so impressed by his accomplishments that he would give Pinzon's family their own coat of arms. A coat of arms is a design on a flag or a shield to show others who a person is and would be passed down through male lineage in a family.

2:00

Pinzon's discovery sparked the imagination of every explorer in Europe. And as the years passed, huge amounts of gold were discovered in other parts of South America, only exacerbating the lust for riches in these new found lands.

In late 1532, the Spanish had sent Francisco Pizarro down the Pacific coastline of the continent to what is now Peru. There he found the Inca people fighting amongst themselves. Seeing an opportunity, he slyly captured their leader Atahualpa with a small force and then conquered the rest of the warring parties. In one swoop, Pizarro gained an immense piece of land. More importantly to Pizarro though, he gained huge amounts of gold from the Incas enormous stockpiles.

3:00   Eight years later Francisco looked east from Peru and remembered Vicente Pinzon's discovery. His enormous river must begin just on the other side of those huge mountains to Pizarro's east, the Andes. For years word had been filtering to the Spaniards from the indigenous people about a city of gold the Spaniards name El Dorado, or the golden. They indicated it could be located in that uncharted region in the direction of Pinzon's river. Francisco sent for his older half-brother, Gonzalo, to mount an expedition to find more gold.

Gonzalo arrived in the city of Quito, in what is now the country of Ecuador, and began assembling men to make the journey over the Andes and find the huge river. The plan was to travel its entire length either by foot or boat. He immediately hired another Francisco, Francisco de Orellana, to be his second in command. He also gathered 220 Spaniards and almost 4000 natives to help along the way.

4:00   The group embarked in February of 1541 from Quito. They trudged up the high peaks of the Andes mountains and down their eastern slopes. By the time the retinue left the mountains almost 75% of the indigenous helpers had perished, along with more than half of the Spaniards. But the group kept moving east, into the almost impenetrable jungle. They finally found a fairly large river that's known today as the River Coca. There, Pizarro ordered the men to construct a boat they named *San Pedro.* By this time, Pizarro and most of the group were too sick to continue the journey. So, he ordered Orellana to take several men and explore down the Coca River and return soon. Soon after Orellana's departure, the Coca River joined another river they named the Napo River. Orellana began making preparations to return to Pizarro, but his men knew that to return would mean the likelihood of death. They told Orellana they would not return. So, Orellana led the group on downriver. They also built another, more seaworthy, boat named the *Victoria*. Not long after, the Coca River joined another larger river, the Rio Negro, or black river. They seemed to be on the right track for finding the huge river of Pinzon's.

But, as they traveled downstream they were constantly harried by native peoples. At one point men and women of a tribe came out to fight the group. Orellana was

5:00 so amazed at the women's ferocity he named the huge waterway they traveled on after the famous mythical Greek women, the Amazons.

In August, 1542, over a year after leaving Pizarro, Orellana's group drifted into the open ocean of the Atlantic. They were the first Europeans to traverse the Amazon's entire length. Pizarro would survive though. His group would turn around and trudge all the way back west, over the craggy Andes mountains, to Quito. Neither group would find any gold, ending the large-scale Spanish search. In the coming years, the area would slowly be settled by both Spanish and Portuguese explorers though. It would take almost four more centuries for people to see the significance of the Amazon River basin. But this time, precious metals wouldn't be on everyone's mind. Oddly enough, the next significant expedition to enter the Amazon would be by former American President, Theodore Roosevelt.

William McKinley was assassinated in 1901 and Roosevelt, being Vice-President, was vaulted to the presidency at the young age of 42. He would finish McKinley's term and then be elected to his own term, serving until 1909, when he decided to not run for a third term. He was unhappy with that decision and ran for President again in 1912 with the Bull Moose Party. That was a losing effort though and Roosevelt turned his attention to his next passion, outdoor adventure.

After the presidential defeat, he intended to embark on a speaking tour of South America. But the Brazilian government, knowing his propensity for adventure, suggested he accompany one of its generals, a man named Candido Rondon, on his exploration up the Amazon and one of its tributaries, el Ria da Duvida, or River of Doubt. Aching to explore, Roosevelt accepted and he brought along his son Kermit as well.

6:00 Much like Pizarro and the Amazon, Roosevelt and Rondon wanted to tackle the River of Doubt from its headwaters. So, that meant they wouldn't just travel up the Amazon and then up the River of Doubt. They would have to trek through miles and miles of jungle to get to the river's beginning, causing many hardships before they were on their way. They finally put their canoes into the water and started downriver on February 27, 1914.

On March 2 they came to an area of the river with waterfalls that required a portage. A portage is when boats have to be carried around an object in the water. It took them almost three days. Several days later they approached a horrible set of rapids. Kermit's

canoe was tossed and turned. He, along with two other men, were thrown out. Unfortunately, one of the men was never found.

Other problems began cropping up. As with Pizarro, natives began attacking the group. Also, mosquitos were causing some group members to have malaria. At one point, Teddy jumped into the river to help an overturned canoe, knocking a huge gash into his shin. It quickly became infected, sending the former President of the United States into a delirious fever. Thankfully the rest of the trip, although full of hardships, passed without further loss of life and both Roosevelts returned home safely. Unfortunately that wasn't the case for one Amazon explorer.

7:00

Percy Harrison Fawcett was born on August 18, 1867 in England. He attended the Royal Military Academy and then joined the Royal Geographic Society, or RGS, in 1901. Then, in 1906, the RGS sent him into the Amazonian jungle to map a border between Bolivia and Brazil. While there he claimed to have shot a 62 foot long giant Anaconda and saw a dog that had two noses. Most scholars of the time scoffed at such notions, but both would turn out to be real animals. Somewhere along the way Fawcett became friends with Sir Authur Conan Doyle who based his novel *The Lost World*, in part, on Percy's adventures. Needless to say, this trip cemented his love for the Amazon.

Over the next 18 years he would travel to the Amazon basin six more times, mapping and exploring hundreds of miles of jungle forest. And while on these adventures, Fawcett began formulating ideas that a lost city in the Amazon must exist, just as Spanish Conquistadors had hundreds of years earlier. But instead of El Dorado, he named it just "Z", or zed. Zed is the English pronunciation of the Greek letter Zeta. The search for the Lost City of Zed began to consume him.

Unfortunately though, World War I would sidetrack his search for it. When it began on July 28, 1914, Fawcett joined the British Army as a reserve officer in the Royal Artillery. At war's end, he would leave the army a decorated soldier.

8:00

In 1924, he secured financing to mount another expedition to search for "Z" from a group known as "the Glove". As with Roosevelt, Fawcett also brought along his son Jack, along with Jack's best friend Raleigh Rimell. Unlike the Conquistadors or Roosevelt's expedition, Fawcett's group was tiny, only including two more laborers besides his son and companion.   On April 20, 1925, the group stepped into the Amazon jungle in search of "Z". Then, on May 29, he wrote a letter to his wife stating his position to be at a place called Dead Horse Camp and said he, Jack, and Raleigh were traveling alone moving forward. That letter would be the last communication from anyone in the group. To this day, no one has found anything from the group. The allure of the Amazon had claimed three more victims.

THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

LISTENING SKILLS 7/8

DO NOT OPEN TEST UNTIL TOLD TO DO SO

The Virtual Challenge Meets™

The Allure of the Amazon

1. _____ was a boat **_not_** in Christopher Columbus' voyage.
   A. *Pinta*
   B. *Nina*
   C. *Aqua*
   D. *Santa Maria*

2. When Columbus' voyage landed in the New World, they believed they had found _____.
   A. China
   B. Japan
   C. Mongolia
   D. India

3. Brackish water is a mixture of freshwater and _____.
   A. saltwater   B. sand
   C. tannins   D. iron

4. Gonazalo Pizarro had to cross the _____ Mountains to find the beginning of the Amazon River.
   A. Andes   B. Pyrenees
   C. Rocky   D. Appalachian

5. Roosevelt's expedition explored the River of _____.
   A. Restlessness   B. Doubt
   C. Sadness   D. Abandon

6. Zed is the English pronunciation of the _____ letter Zeta.
   A. Phoenecian   B. Greek
   C. Chinese   D. Russian

7. Percy Fawcett secured financing from a group known as "the _____".
   A. Hat   B. Shoe
   C. Glove   D. Shirt

8. Conquistador means _____ in English.
    A. conqueror
    B. sailor
    C. mountain climber
    D. farmer

9. After separating from Pizarro, Orellana's group built a boat they named
_____.
    A. *Mystique*   B. *Bravado*
    C. *Pancho*   D. *Victoria*

10. One tributary of the Amazon Orellana did not float down was the
_____.
    A. Coca River
    B. Napo River
    C. Rio Negro
    D. Rio Lagartos

11. The last letter Percy Fawcett wrote to his wife stated his position being at
_____.
    A. Dead Horse Camp   B. Starving Donkey Camp
    C. Mule Skin Camp   D. Zebra Springs Camp

12. Arthur Conan Doyle wrote _____.
    A. *The Lost World*   B. *Jurassic Park*
    C. *Moby Dick*   D. *The Time Machine*

13. El Dorado means _____.
    A. the silver   B. the platinum
    C. the golden   D. the copper

14. In 1912, Teddy Roosevelt ran for President with the _____ Party.
    A. Running Horse   B. Bull Moose
    C. Standing Elk   D. Jumping Deer

15. Besides the Spanish, the Amazon basin was also settled by
_____ explorers.
    A. Portuguese   B. Russian
    C. British   D. Italian

16. Roosevelt brought along his son _____ on his Amazon expedition.
    A. Fozzy
    B. Gonzo
    C. Sam
    D. Kermit

17. Percy Fawcett's expedition was delayed because of _____.
    A. The Civil War   B. The Vietnam War
    C. World War I   D. World War II

18. Vecente Pinzon found a large river he believed was the _____.
    A. Ganges   B. Nile
    C. Mississippi   D. Rio Grande

True/False

19. _____   Percy Fawcett was born in Italy.

20. _____   During the Roosevelt expedition, mosquitoes caused malaria.

21. _____   The city of San Juan is today's capital of Puerto Rico.

22. _____   Theodore Roosevelt became president after the assassination of Woodrow
              Wilson.

23. _____   In 1532, Francisco Pizarro conquered the Incas.

24. _____   Gonzalo Pizzaro had to cross the Appalachian Mountains to find the
              Amazon River.

25. _____   The Amazons are mythical German women.

The Allure of the Amazon

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

2023-2024 Middle School Virtual Challenge Meet #3

Listening Skills - Grades 7th/8th - Answer Key

Correct Answer=3pts, Incorrect Answer=(-2) pts, No penalty for leaving blank

The Allure of the Amazon

1. ___C___
2. ___D___
3. ___A___
4. ___A___
5. ___B___
6. ___B___
7. ___C___
8. ___A___
9. ___D___
10. ___D___
11. ___A___
12. ___A___
13. ___C___

14. ___B___
15. ___A___
16. ___D___
17. ___C___
18. ___A___
19. ___F___
20. ___T___
21. ___T___
22. ___F___
23. ___T___
24. ___F___
25. ___F___
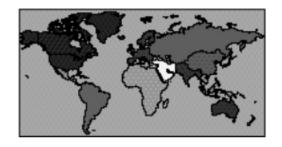
THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024

Middle School Virtual Challenge

Meet #3

Maps, Graphs, Charts

Grades 5th/6th

DO NOT OPEN TEST
UNTIL TOLD TO DO SO
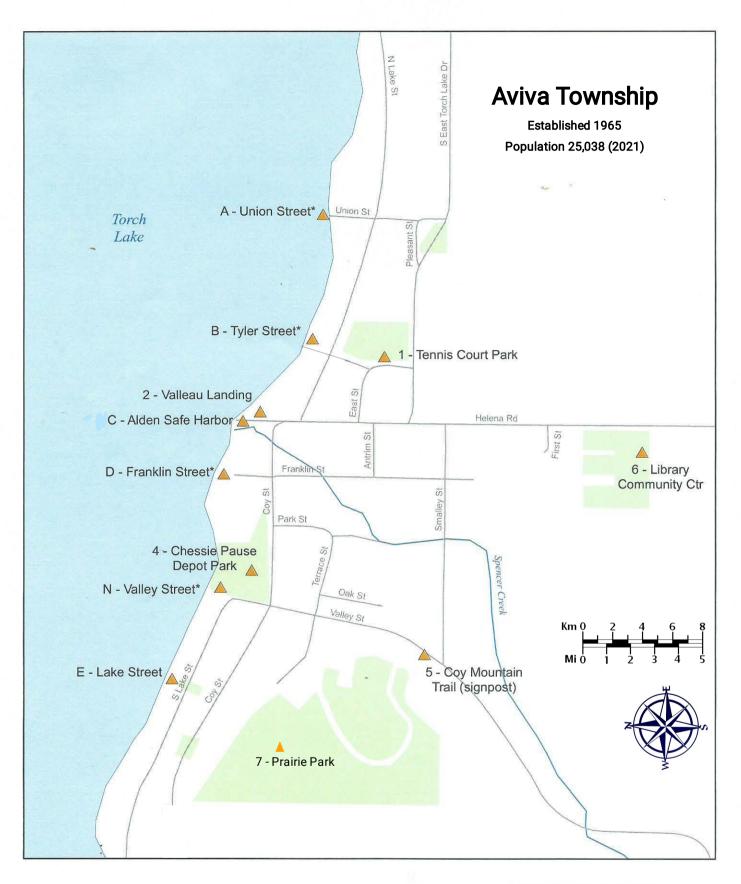
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North America

1. Which two states have oil, coal, natural gas, and uranium reserves?
   A. Illinois and Iowa
   B. Texas and Colorado
   C. Montana and Washington
   D. California and New Mexico

2. Which of the following energy resources or metals can be found in Cuba?
   A. Manganese
   B. Gold
   C. Cooper
   D. Tin

3. Which of the following countries does NOT list English as an official language?
   A. Jamaica
   B. Puerto Rico
   C. Nicaragua
   D. Sint Maarten

4. Which country has the capital city of Oranjestad?
   A. Barbados
   B. Panama
   C. Grenada
   D. Aruba

5. What is the approximate distance between Washington D.C. and New York City?
   A. 50 miles
   B. 100 miles
   C. 200 miles
   D. 300 miles

6. Which lake is located across a province/state/territory border in Canada?
   A. Lake Winnipeg
   B. Reindeer Lake
   C. Williston Lake
   D. South Henik Lake

7. Which of the following states has three different climates?
   A. Iowa
   B. Missouri
   C. Colorado
   D. North Dakota

8. Which of the following cities is not located in a major hurricane landfall area?
   A. New Orleans
   B. Miami
   C. Charleston
   D. Omaha

9. In which of the following states would you find cows, poultry, horses, and hogs?
   A. California
   B. North Carolina
   C. Minnesota
   D. Oklahoma

10. Which of the following countries has the highest life expectancy for males?
    A. Canada
    B. United States
    C. Bahamas
    D. Mexico

11. What is the approximate distance between Mexico City and Guatemala City?
    A. 300 miles
    B. 500 miles
    C. 650 miles
    D. 750 miles

12. What is the main method of land use in Nevada?
    A. Urban
    B. Ranching or herding
    C. Commercial farming
    D. Forestry

13. What is the capital city of Montana?
    A. Helena
    B. St. Louis
    C. Milwaukee
    D. Montpelier

14. Which of the following cities has the largest population?
    A. Juneau
    B. Anchorage
    C. Kotzebue
    D. Bethel

15. Which of the following cities is located along the Pacific Coast?
    A. Colon
    B. La Ceiba
    C. Puerto Armuelles
    D. Limon

Aviva Township

Established 1965

Population 25,038 (2021)

Torch Lake

N Lake St

S East Torch Lake Dr

A - Union Street*   Union St

Pleasant St

B - Tyler Street*

1 - Tennis Court Park

2 - Valleau Landing

East St

C - Alden Safe Harbor   Helena Rd

First St

6 - Library
Community Ctr

D - Franklin Street*   Franklin St

Antrim St

Coy St

Park St

Smalley St

Spencer Creek

4 - Chessie Pause
Depot Park

Terrace St

N - Valley Street*

Oak St

Valley St

E - Lake Street

S Lake St

Coy St

5 - Coy Mountain
Trail (signpost)

Km 0   2   4   6   8

Mi 0   1   2   3   4   5

7 - Prairie Park

Asterisk (*) corresponds with historical site.
Letters correspond with streets.
Numbers correspond with tourist spots.
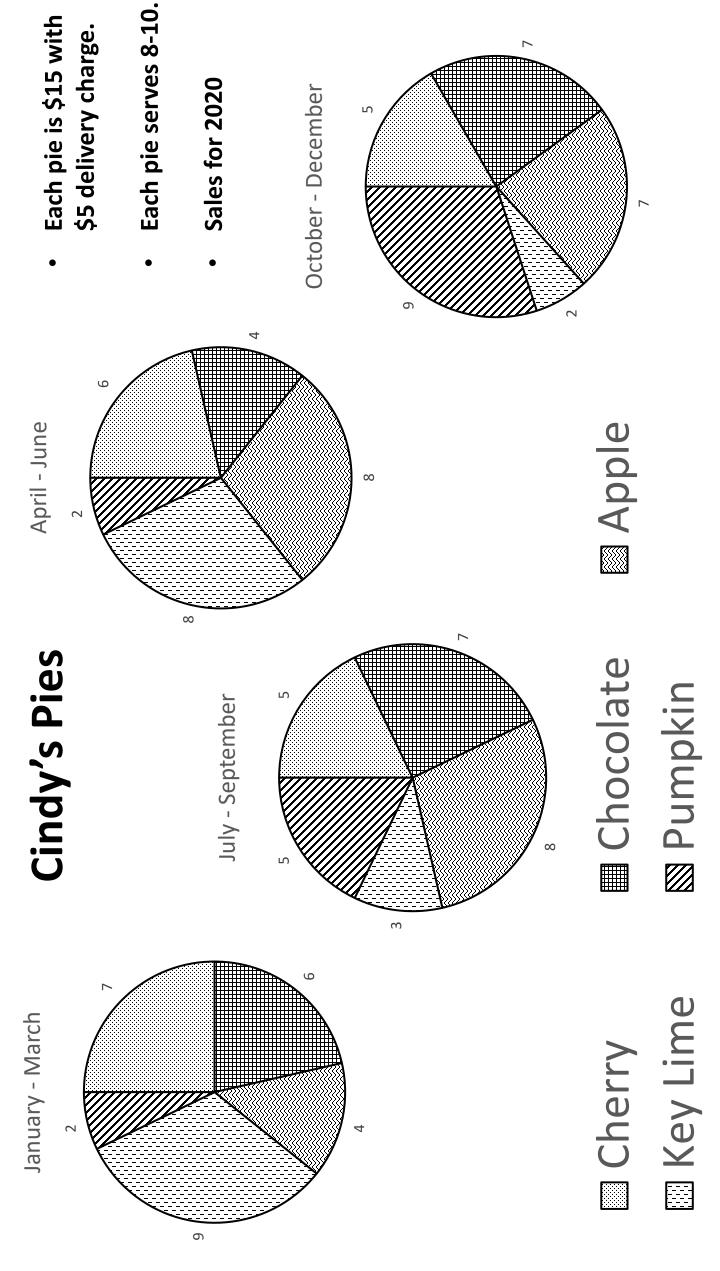
AVIVA TOWNSHIP

16. Which of the following roadways would a traveler take to drive directly from Valleau Landing to Coy Mountain Trail?
    A. Pleasant St.
    B. Helena Rd.
    C. Union St.
    D. S. Lake St.

17. Which of the following roadways runs East and West?
    A. Helena Rd.
    B. Valley St.
    C. Smalley St.
    D. Franklin St.

18. Which tourist spot is located farthest to the South?
    A. Prairie Park
    B. Tennis Court Park
    C. Library Community Center
    D. Chessie Pause Depot Park

19. How many tourist spots are located to the North of Coy St.?
    A. 0
    B. 1
    C. 2
    D. 3

20. All tourist spots are located West of which of the following roadways?
    A. Union St.
    B. Valley St.
    C. Franklin St.
    D. Helena Rd.

21. What roadway leads directly to Prairie Park?
    A. Park St.
    B. Terrace St.
    C. S. Lake St.
    D. Coy St.

22. Spencer Creek connects to Torch Lake nearest what tourist spot?
    A. Valleau Landing
    B. Coy Mountain Trail
    C. Lake St.
    D. Alden Safe Harbor

23. Which of the following roadways crosses Spencer Creek?
    A. Helena Rd.
    B. Pleasant St.
    C. Coy St.
    D. First St.

24. Which of the following is located closest to Torch Lake?
    A. Coy Mountain Trail
    B. Chessie Pause Depot Park
    C. Prairie Park
    D. Tennis Court Park

25. Approximately how many miles away is the Library Community Center from Valleau Landing
    A. 15
    B. 16
    C. 20
    D. 24

TRUE / FALSE
26. Pleasant St. connects to both Union St. and S. East Torch Lake Dr.

27. To drive to First St. you must take Helena Road.

28. Spencer Creek crosses six different roadways.

29. Prairie Park is the westernmost tourist spot on the map.

30. Tennis Court Park is located along Tyler Ave.

Cindy's Pies

- **Each pie is $15 with $5 delivery charge.**
- **Each pie serves 8-10.**
- **Sales for 2020**

January – March

9
2
7
6
4

April – June

8
2
6
4
8

July – September

5
5
3
8
7

October – December

9
5
7
7
2

Legend

- Cherry
- Key Lime
- Chocolate
- Pumpkin
- Apple

CINDY'S PIES

31. What type of pie sold the most during January - March?
- **A.** Key Lime
- **B.** Cherry
- **C.** Chocolate
- **D.** Apple

32. What type of pie sold the least during October - December?
- **A.** Cherry
- **B.** Apple
- **C.** Key Lime
- **D.** Pumpkin

33. What two types of pies combined to sell more than all others combined during July - September?
- **A.** Chocolate and Pumpkin
- **B.** Cherry and Pumpkin
- **C.** Cherry and Apple
- **D.** Apple and Chocolate

34. What two types of pies sold equally well from April - June?
- **A.** Apple and Chocolate
- **B.** Key Lime and Apple
- **C.** Pumpkin and Cherry
- **D.** Chocolate and Pumpkin

35. During which period of time was Pumpkin sold the most?
- **A.** January - March
- **B.** April - June
- **C.** July - September
- **D.** October - December

36. During which period of time did Chocolate sell the least?
- **A.** January - March
- **B.** April - June
- **C.** July - September
- **D.** October - December

37. What type of pie sold the most pies for all time periods combined?
- **A.** Cherry
- **B.** Pumpkin
- **C.** Apple
- **D.** Key Lime

38. Which of the following types of pie was ordered less often in July - September than in the previous period of time?
- **A.** Cherry
- **B.** Apple
- **C.** Chocolate
- **D.** Pumpkin

39. What was the only period of time when Pumpkin pies outsold Chocolate pies?
- **A.** January - March
- **B.** April - June
- **C.** July - September
- **D.** October - December

40. What type of pie sold only half as well as Chocolate from April - June?
- **A.** Pumpkin
- **B.** Cherry
- **C.** Apple
- **D.** Key Lime

TRUE / FALSE
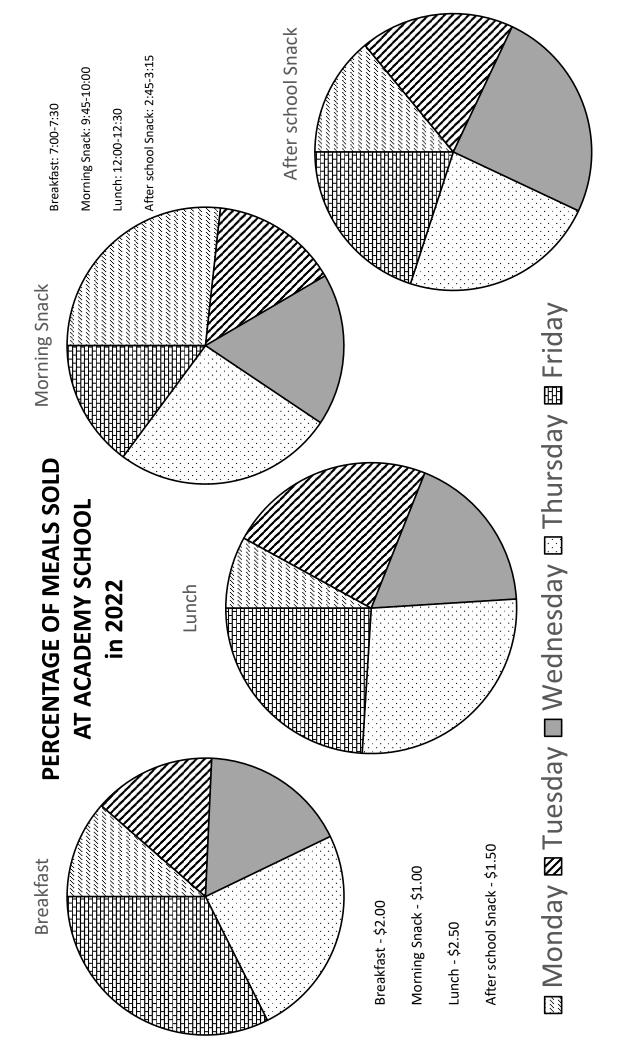
41. Cherry pie always outsells Key Lime pie.

42. Key Lime pie always outsells Chocolate pie.

43. Chocolate pie sells the most during January - March.

44. Apple pie sells better than any other type of pie from July - September.

45. Pumpkin has the lowest sales of any type of pie from July - September.

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South America Maps

46. Which of the following countries has five different climates?
- **A.** Argentina
- **B.** Ecuador
- **C.** Colombia
- **D.** Uruguay

47. Which of the following countries has uranium?
- **A.** Chile
- **B.** Bolivia
- **C.** Ecuador
- **D.** Colombia

48. What is the capital city of Suriname?
- **A.** Montevideo
- **B.** Georgetown
- **C.** Paramaribo
- **D.** Cayenne

49. What is the approximate distance between the capital city of Venezuela and the capital city of Guyana?
- **A.** 300 miles
- **B.** 550 miles
- **C.** 650 miles
- **D.** 800 miles

50. Which country has Quechua listed as an official language?
- **A.** Chile
- **B.** Venezuela
- **C.** Ecuador
- **D.** Peru

51. Which of the following cities is located near the Atacama Desert?
- **A.** Sucre
- **B.** Rancagua
- **C.** Antofagasta
- **D.** La Plata

52. Which region of Brazil gets the least precipitation per year?
- **A.** North
- **B.** South
- **C.** East
- **D.** West

53. What is the approximate distance between the two capitals of Bolivia?
- **A.** 200 miles
- **B.** 300 miles
- **C.** 400 miles
- **D.** 500 miles

54. Which of the following cities is NOT located in the Brazilian Highlands?
- **A.** Brasilia
- **B.** Blumenau
- **C.** Goiania
- **D.** Vitoria de Conquista

55. Which of the following countries has the lowest life expectancy for women?
- **A.** Guyana
- **B.** Paraguay
- **C.** Uruguay
- **D.** Argentina

56. What is the rate of natural population growth for Bolivia?
- **A.** 0.8%
- **B.** 1.1%
- **C.** 1.6%
- **D.** 2.4%

57. Which country has the capital city of Bogota?
- **A.** Peru
- **B.** Chile
- **C.** Argentina
- **D.** Colombia

58. Which of the following countries has the highest population?
- **A.** Venezuela
- **B.** Ecuador
- **C.** Colombia
- **D.** Peru

59. What method of land use is primarily used along the Amazon River?
- **A.** Ranching or herding
- **B.** Forestry
- **C.** Commercial farming
- **D.** Subsistence farming

60. Which of the following countries' capital cities is located along the coast?
- **A.** Venezuela
- **B.** Colombia
- **C.** Brazil
- **D.** Paraguay

PERCENTAGE OF MEALS SOLD
AT ACADEMY SCHOOL
in 2022

Breakfast: 7:00-7:30

Morning Snack: 9:45-10:00

Lunch: 12:00-12:30

After school Snack: 2:45-3:15

Breakfast

Morning Snack

Lunch

After school Snack

Breakfast - $2.00

Morning Snack - $1.00

Lunch - $2.50

After school Snack - $1.50

Monday ⬚ Tuesday ⬚ Wednesday ⬚ Thursday ⬚ Friday

PERCENTAGE OF MEALS SOLD AT ACADEMY SCHOOL

61. Which day of the week had the largest percentage of Breakfast meals sold?
- **A.** Monday
- **B.** Tuesday
- **C.** Wednesday
- **D.** Friday

62. Monday had the smallest percentage of meals sold except for which type?
- **A.** Breakfast
- **B.** Morning Snack
- **C.** Lunch
- **D.** After School Snack

63. What day of the week had the smallest percentage of Lunch meals sold?
- **A.** Monday
- **B.** Tuesday
- **C.** Wednesday
- **D.** Thursday

64. What two days made up a larger percentage of Breakfast meals sold than all other days combined?
- **A.** Friday and Wednesday
- **B.** Wednesday and Thursday
- **C.** Thursday and Friday
- **D.** Monday and Tuesday

65. What meal had Wednesday as its largest percentage of sales?
- **A.** Breakfast
- **B.** Morning Snack
- **C.** Lunch
- **D.** After School Snack

66. For which day was Morning Snack the smallest percentage of any meal?
- **A.** Monday
- **B.** Tuesday
- **C.** Thursday
- **D.** Friday

67. What day made up the second largest percentage of Morning Snack meals sold?
- **A.** Monday
- **B.** Tuesday
- **C.** Wednesday
- **D.** Friday

68. Which day made up the largest percentage of Lunch meals sold?
- **A.** Monday
- **B.** Wednesday
- **C.** Thursday
- **D.** Friday

69. Which day of the week is not the largest percentage of any type of meal sold?
- **A.** Tuesday
- **B.** Wednesday
- **C.** Thursday
- **D.** Friday

70. What three days of the week combine to be just over half of the After School Snack meals sold?
- **A.** Monday, Tuesday, and Friday
- **B.** Monday, Wednesday, and Thursday
- **C.** Tuesday, Thursday, and Friday
- **D.** Wednesday, Thursday, and Friday

TRUE / FALSE

71. Friday makes up the largest percentage of each meal type sold.

72. Wednesday makes up the smallest percentage of each meal type sold.

73. Morning Snack sells the smallest percentage of its meals on Monday.

74. After School Snack sells the largest percentage of its meals on Monday.

75. Lunch sells a larger percentage of its meals on Wednesday than on Monday.

Contestant Name: _____

2023-2024 Middle School Virtual Challenge Meet #3 - Maps, Graphs, & Charts
Grade: 5 6 7 8
Answer Sheet
Circle the correct answer.

1. A B C D	26. T F	51. A B C D
2. A B C D	27. T F	52. A B C D
3. A B C D	28. T F	53. A B C D
4. A B C D	29. T F	54. A B C D
5. A B C D	30. T F	55. A B C D
6. A B C D	31. A B C D	56. A B C D
7. A B C D	32. A B C D	57. A B C D
8. A B C D	33. A B C D	58. A B C D
9. A B C D	34. A B C D	59. A B C D
10. A B C D	35. A B C D	60. A B C D
11. A B C D	36. A B C D	61. A B C D
12. A B C D	37. A B C D	62. A B C D
13. A B C D	38. A B C D	63. A B C D
14. A B C D	39. A B C D	64. A B C D
15. A B C D	40. A B C D	65. A B C D
16. A B C D	41. T F	66. A B C D
17. A B C D	42. T F	67. A B C D
18. A B C D	43. T F	68. A B C D
19. A B C D	44. T F	69. A B C D
20. A B C D	45. T F	70. A B C D
21. A B C D	46. A B C D	71. T F
22. A B C D	47. A B C D	72. T F
23. A B C D	48. A B C D	73. T F
24. A B C D	49. A B C D	74. T F
25. A B C D	50. A B C D	75. T F

2023-2024 Middle School Virtual Challenge Meet #3 - Maps, Graphs, & Charts
Grades 5th/6th - Answer Key
CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1.	B	26.	T	51.	C
2.	A	27.	T	52.	C
3.	C	28.	F	53.	B
4.	D	29.	T	54.	B
5.	C	30.	T	55.	A
6.	B	31.	A	56.	C
7.	D	32.	C	57.	D
8.	D	33.	D	58.	C
9.	C	34.	B	59.	B
10.	A	35.	D	60.	A
11.	C	36.	B	61.	D
12.	B	37.	C	62.	B
13.	A	38.	B	63.	A
14.	B	39.	D	64.	C
15.	C	40.	A	65.	D
16.	B	41.	F	66.	D
17.	C	42.	F	67.	A
18.	C	43.	T	68.	C
19.	D	44.	T	69.	A
20.	A	45.	F	70.	A
21.	B	46.	A	71.	F
22.	D	47.	B	72.	F
23.	C	48.	C	73.	F
24.	B	49.	C	74.	F
25.	A	50.	D	75.	T
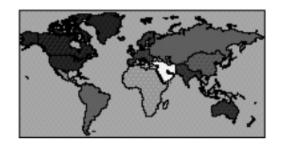
THE ▼IRTUAL MEET EXPERIENCE

PRESENTS

2023-2024

Middle School Virtual Challenge

Meet #3

Maps, Graphs, Charts
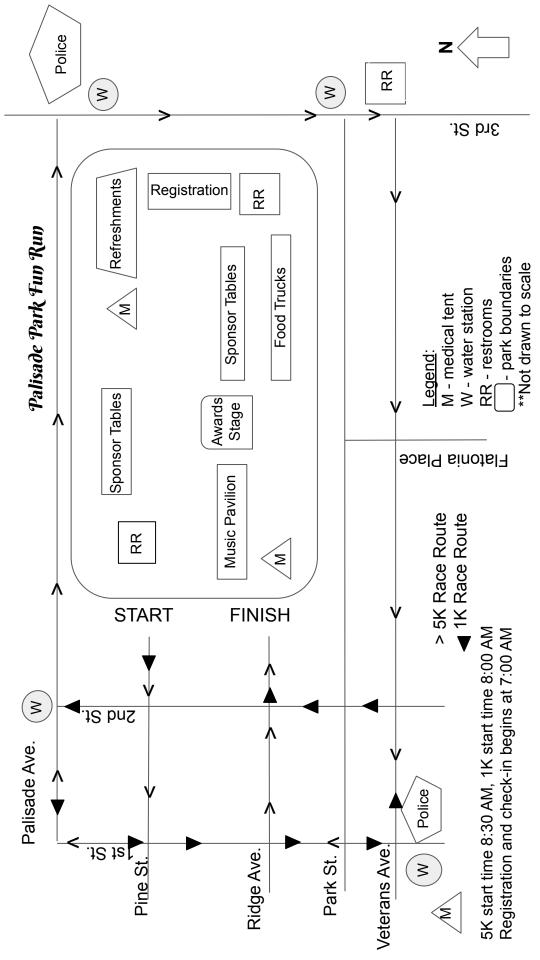
Grades 7th/8th

DO NOT OPEN TEST
UNTIL TOLD TO DO SO

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Europe Map

1. Stockholm is the capital city of _____.
   A. Switzerland
   B. San Marino
   C. Sweden
   D. Slovenia

2. What is the climate of Cartagena and Alicante?
   A. Humid subtropical
   B. Steppe
   C. Marine
   D. Hot summer

3. Which of the following energy resources and metals are most found in Spain?
   A. Gold
   B. Tin
   C. Zinc
   D. Nickel

4. Which of the following are three of the official languages of Switzerland?
   A. English, French, and Italian
   B. German, French, and Italian
   C. French, German, and Spanish
   D. Swiss, German, and French

5. What country has the Aquitaine Basin located in it?
   A. France
   B. Denmark
   C. Czech Republic
   D. Italy

6. Which of the following cities is located in the Black Sea Lowlands?
   A. Marseille
   B. Odessa
   C. Malaga
   D. Lviv

7. What are the capital cities of Romania and Hungary, respectively?
   A. Bratislava; Belgrade
   B. Budapest; Amsterdam
   C. Pristina; Bucharest
   D. Bucharest; Budapest

8. Which of the following cities has the lowest population?
   A. Munich
   B. Minsk
   C. Birmingham
   D. Lisbon

9. What is the approximate distance between Andorra la Vella and Marseille?
   A. 100 miles
   B. 150 miles
   C. 225 miles
   D. 275 miles

10. Which of the following countries has the highest life expectancy for females?
    A. Iceland
    B. Monaco
    C. San Marino
    D. Switzerland

11. Which of the following countries has the largest population density?
    A. Latvia
    B. Russia
    C. Hungary
    D. Serbia

12. Which of the following airports receives the highest number of passengers per year?
    A. Amsterdam
    B. Barcelona
    C. Munich
    D. Vienna

13. Which of the following is NOT a city within the United Kingdom?
    A. Aberystwyth
    B. Stornoway
    C. Hull
    D. Cork

14. Which area of Portugal receives between 10-20 inches of precipitation?
    A. North
    B. Central
    C. South
    D. none of the above

15. Which methods of land use are NOT found in Iceland?
    A. Commercial farming
    B. Ranching or herding
    C. Subsistence farming
    D. Forestry

Palisade Park Fun Run

Police

W

RR

3rd St.

Refreshments

Registration

RR

M

Sponsor Tables

Sponsor Tables

Food Trucks

Awards Stage

Sponsor Tables

Music Pavilion

RR

M

Flatonia Place

START

FINISH

Palisade Ave.

W

2nd St.

Pine St.

Ridge Ave.

Park St.

Veterans Ave.

1st St.

Police

W

M

N

Legend:
M - medical tent
W - water station
RR - restrooms
☐ - park boundaries
**Not drawn to scale

> 5K Race Route
▼ 1K Race Route

5K start time 8:30 AM, 1K start time 8:00 AM
Registration and check-in begins at 7:00 AM

PALISADE PARK FUN RUN

16. Which roadway is crossed by only one of the race routes and is otherwise not part of the courses?
    A. Park St.
    B. Flatonia Place
    C. Ridge Ave.
    D. Pine St.

17. How many water stations are one the 5k route that are not along the 1k race route?
    A. 0
    B. 1
    C. 2
    D. 4

18. Which roadway is located directly south of Palisades Park?
    A. Veterans Ave.
    B. Palisades Ave.
    C. Park St.
    D. 3rd St.

19. The closest restrooms to the Finish line are in what direction?
    A. Northeast
    B. East
    C. South
    D. Southeast

20. Which of the following locations is situated closer to the Start of the race routes?
    A. Registration
    B. Police
    C. Awards Stage
    D. Refreshments

21. The last turn on the 5k route is onto Ridge Ave. from what roadway?
    A. 1st St.
    B. 2nd St.
    C. Park St.
    D. Pine St.

22. Which of the following roadway has a police presence along it?
    A. 2nd St.
    B. 3rd St.
    C. Park St.
    D. Pine St.

23. How many medical tents are located outside of the park?
    A. 0
    B. 1
    C. 2
    D. 3

24. How many restrooms are located along the 1k race route?
    A. 0
    B. 1
    C. 2
    D. 3

25. Which roadway is crossed multiple times by each route, but is never run along?
    A. 2nd St.
    B. Flatonia Place
    C. 3rd St.
    D. Park St.

TRUE / FALSE

26. Both race routes start at the same location, but end at different locations.

27. The end of the 5k route has runners traveling East.

28. All turns on the race routes are left turns.

29. The first water station on the 1k route is also the 1st water station for the 5k route.

30. The second water station on the 1k route is also the 2nd water station for the 5k route.

Sales of Lego Sets by Theme

Legend: Construction, Medieval, Space, Pirates, Animals, Racing

X-axis (decades): 1970s, 1980s, 1990s, 2000s, 2010s

Y-axis: Numbers in the thousands (0, 5, 10, 15, 20, 25, 30)
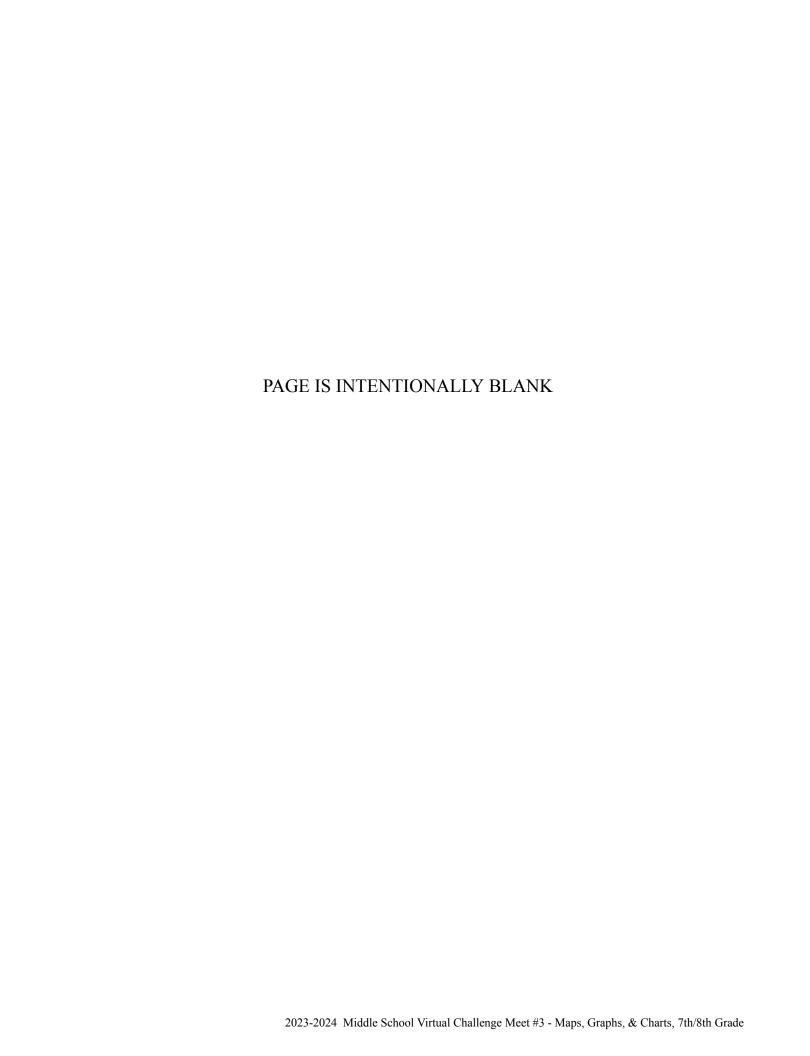
SALES OF LEGO SETS BY THEME

31. Which decade had the lowest total sets sold?
- **A.** 1970s
- **B.** 1990s
- **C.** 2000s
- **D.** 2010s

32. Which theme had the most total sets sold for all decades combined?
- **A.** Space
- **B.** Pirates
- **C.** Construction
- **D.** Medieval

33. Which theme never reached at least 17,000 sets sold in any decade, but also never had less than 10,000 sets sold?
- **A.** Racing
- **B.** Pirates
- **C.** Animals
- **D.** Construction

34. What was the best selling decade for Construction themed sets?
- **A.** 1970s
- **B.** 1980s
- **C.** 2000s
- **D.** 2010s

35. Which theme had exactly half of sales of Pirate sets in the 1990s?
- **A.** Space
- **B.** Medieval
- **C.** Animals
- **D.** Construction

36. Which theme had its sales nearly double from the 1970s to the 1980s?
- **A.** Medieval
- **B.** Pirates
- **C.** Space
- **D.** Racing

37. Which theme saw its sales continuously decrease in every decade following the 1980s?
- **A.** Space
- **B.** Medieval
- **C.** Pirates
- **D.** Construction

38. Which theme never varied in its total sales by more than approximately 2,000 sets through any of the decades shown?
- **A.** Animals
- **B.** Pirates
- **C.** Construction
- **D.** Racing

39. What two themes sold less sets combined than Space themed sets sold in the 2000s?
- **A.** Animals and Racing
- **B.** Construction and Pirates
- **C.** Medieval and Pirates
- **D.** Construction and Medieval

40. Which theme tied for the best selling set in one decade and then tied for the lowest selling set in another decade?
- **A.** Pirates
- **B.** Space
- **C.** Construction
- **D.** Racing

TRUE / FALSE

41. Pirate themed sets never had lower sales than Racing themed sets.

42. Pirate themed sets were never worse than second in sales for any decade.

43. The 1980s had the highest sales for each type of theme.

44. The 2010s had the lowest sales for each type of theme.

45. Medieval themed sets never outsold Construction themed sets.

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46. Bujumbura is one of the capital cities in which country?
- **A.** Djibouti
- **B.** Guinea-Bissau
- **C.** Burundi
- **D.** Mali

47. Which of the following countries all have uranium?
- **A.** Niger, Egypt, Namibia
- **B.** South Africa, Mozambique, Ethiopia
- **C.** Somalia, Gabon, and Morocco
- **D.** Burkina Faso, Mali, Algeria

48. _____ is one of the official languages of Gabon.
- **A.** Fang
- **B.** Fula
- **C.** Zulu
- **D.** Gbaya

49. Which of the following cities is located in the Kalahari Desert?
- **A.** Bardai
- **B.** Gaborone
- **C.** Kinshasa
- **D.** Harer

50. Which city in Madagascar receives the least amount of average rainfall in a year?
- **A.** Antsiranana
- **B.** Toamasina
- **C.** Ambovombe
- **D.** Antananarivo

51. What is the approximate distance between Lusaka and Harare?
- **A.** 200 miles
- **B.** 300 miles
- **C.** 400 miles
- **D.** 500 miles

52. Which of the following cities is located along the Ivory Coast?
- **A.** Lobito
- **B.** Walvis Bay
- **C.** Durban
- **D.** Lome

53. Which of the following countries has the lowest natural population growth?
- **A.** Malawi
- **B.** Burundi
- **C.** Lesotho
- **D.** Angola

54. Which area has the highest amount of nomadic herding on the continent?
- **A.** North
- **B.** South
- **C.** East
- **D.** West

55. Which of the following countries all have marine climates?
- **A.** Lesotho, Madagascar, Kenya
- **B.** Rwanda, Swaziland, Namibia
- **C.** South Africa, Lesotho, Swaziland
- **D.** Botswana, South Africa, Swaziland

56. Which of the following countries has the highest population?
- **A.** Tanzania
- **B.** South Africa
- **C.** Ethiopia
- **D.** Nigeria

57. Which of the following cities has the smallest population?
- **A.** Grootfontein
- **B.** Cape Town
- **C.** Johannesburg
- **D.** Harare

58. Lake Albert is located along the border of which two countries?
- **A.** Burundi and Rwanda
- **B.** Uganda and Democratic Republic of Congo
- **C.** Zambia and Zimbabwe
- **D.** Togo and Ghana

59. What is the capital city of Cape Verde?
- **A.** Lome
- **B.** Juba
- **C.** Praia
- **D.** Kigali

60. The Senegal River is located between Senegal and _____.
- **A.** Gambia
- **B.** Guinea Bissau
- **C.** Mauritania
- **D.** Guinea

Harry Potter

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reading	92	91	93	94	93	92
Science	98	93	94	93	96	91
Math	85	84	89	82	81	80
Social Studies	99	100	98	99	96	100
P.E.	94	95	94	94	96	94
Art	81	80	79	82	84	83

Katniss Everdeen

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reading	84	88	82	78	85	89
Science	91	91	94	89	95	96
Math	83	84	82	80	85	89
Social Studies	87	89	92	85	88	92
P.E.	100	100	100	100	100	100
Art	73	75	72	75	77	76

Annabeth Chase

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reading	98	97	98	100	99	98
Science	96	97	94	95	94	96
Math	96	99	98	99	96	94
Social Studies	92	94	92	93	97	91
P.E.	100	99	99	100	98	99
Art	98	99	96	94	97	98

Samwise Gamgee

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reading	80	82	80	83	82	85
Science	92	94	98	93	91	98
Math	82	81	82	84	87	90
Social Studies	90	94	93	95	92	98
P.E.	95	98	99	97	96	100
Art	92	91	93	93	90	94

Student report cards from Academy School 2013-2014

Teachers:
Reading- Smith
Science- Jones
Math- Adams
Social Studies – Johnson
P.E. – Meyers
Art - Thompson

STUDENT REPORT CARDS FROM ACADEMY SCHOOL

61. What subject is the highest for Samwise during every Term?
- **A.** Science
- **B.** P.E.
- **C.** Art
- **D.** Social Studies

62. Which student has the lowest grade in Art during every Term?
- **A.** Harry
- **B.** Samwise
- **C.** Katniss
- **D.** Annabeth

63. Which student has the highest grade in Art during every Term?
- **A.** Annabeth
- **B.** Katniss
- **C.** Harry
- **D.** Samwise

64. Which subject does Harry have his highest or tied for his highest grade in each Term?
- **A.** P.E.
- **B.** Science
- **C.** Reading
- **D.** Social Studies

65. What subject has the second highest grade for Katniss, Samwise, and Harry during Term 3?
- **A.** P.E.
- **B.** Science
- **C.** Social Studies
- **D.** Reading

66. If an A is 90-100, which student has the most total A's
- **A.** Annabeth
- **B.** Harry
- **C.** Katniss
- **D.** Samwise

67. If a B is 80-89, which subject does Katniss have the most Bs in?
- **A.** Math
- **B.** Reading
- **C.** Art
- **D.** Social Studies

68. Social Studies is the lowest grade for every Term except Term 5 for which student?
- **A.** Samwise
- **B.** Harry
- **C.** Annabeth
- **D.** Katniss

69. What subject does Katniss have her highest grade in after P.E. for every Term?
- **A.** Reading
- **B.** Math
- **C.** Science
- **D.** Social Studies

70. Which student has the lowest Science grade during Term 5?
- **A.** Katniss
- **B.** Annabeth
- **C.** Harry
- **D.** Samwise

TRUE / FALSE

71. Harry always has a higher grade in Math than Samwise.

72. Annabeth never has a higher grade in Social Studies than Harry.

73. P.E. is Annabeth's highest grade during every Term.

74. Harry's grades were higher in every subject for Term 1 than in Term 6.

75. Samwise had the highest Science grade of any student shown for Term 3.

Contestant Name: _____

2023-2024 Middle School Virtual Challenge Meet #3 - Maps, Graphs, & Charts
Grade: 5 6 7 8
Answer Sheet
Circle the correct answer.

1.	A	B	C	D	26.	T	F		51.	A	B	C	D		
2.	A	B	C	D	27.	T	F		52.	A	B	C	D		
3.	A	B	C	D	28.	T	F		53.	A	B	C	D		
4.	A	B	C	D	29.	T	F		54.	A	B	C	D		
5.	A	B	C	D	30.	T	F		55.	A	B	C	D		
6.	A	B	C	D	31.	A	B	C	D	56.	A	B	C	D
7.	A	B	C	D	32.	A	B	C	D	57.	A	B	C	D
8.	A	B	C	D	33.	A	B	C	D	58.	A	B	C	D
9.	A	B	C	D	34.	A	B	C	D	59.	A	B	C	D
10.	A	B	C	D	35.	A	B	C	D	60.	A	B	C	D
11.	A	B	C	D	36.	A	B	C	D	61.	A	B	C	D
12.	A	B	C	D	37.	A	B	C	D	62.	A	B	C	D
13.	A	B	C	D	38.	A	B	C	D	63.	A	B	C	D
14.	A	B	C	D	39.	A	B	C	D	64.	A	B	C	D
15.	A	B	C	D	40.	A	B	C	D	65.	A	B	C	D
16.	A	B	C	D	41.	T	F		66.	A	B	C	D		
17.	A	B	C	D	42.	T	F		67.	A	B	C	D		
18.	A	B	C	D	43.	T	F		68.	A	B	C	D		
19.	A	B	C	D	44.	T	F		69.	A	B	C	D		
20.	A	B	C	D	45.	T	F		70.	A	B	C	D		
21.	A	B	C	D	46.	A	B	C	D	71.	T	F		
22.	A	B	C	D	47.	A	B	C	D	72.	T	F		
23.	A	B	C	D	48.	A	B	C	D	73.	T	F		
24.	A	B	C	D	49.	A	B	C	D	74.	T	F		
25.	A	B	C	D	50.	A	B	C	D	75.	T	F		

2023-2024 Middle School Virtual Challenge Meet #3 - Maps, Graphs, & Charts
Grades 7th/8th - Answer Key
CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

#	Ans	#	Ans	#	Ans
1.	C	26.	F	51.	B
2.	B	27.	T	52.	D
3.	D	28.	T	53.	C
4.	B	29.	T	54.	A
5.	A	30.	F	55.	C
6.	B	31.	D	56.	D
7.	D	32.	A	57.	A
8.	D	33.	C	58.	B
9.	C	34.	B	59.	C
10.	B	35.	C	60.	C
11.	C	36.	A	61.	B
12.	A	37.	D	62.	C
13.	D	38.	D	63.	A
14.	C	39.	A	64.	D
15.	D	40.	C	65.	B
16.	B	41.	T	66.	A
17.	C	42.	F	67.	A
18.	C	43.	F	68.	C
19.	A	44.	F	69.	C
20.	C	45.	F	70.	D
21.	B	46.	C	71.	F
22.	B	47.	D	72.	F
23.	B	48.	A	73.	F
24.	A	49.	B	74.	F
25.	D	50.	C	75.	T

THE ▼IRTUAL MEET EXPERIENCE

PRESENTS

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

MATHEMATICS

DO NOT OPEN TEST UNTIL TOLD TO DO SO

2023-2024 Middle School Virtual Challenge Meet #3 - Mathematics Test

(1) **Evaluate:** $(5)^{-2} \times (1 + 2 + 3 + \cdots + 25)$

    (A) 65   **(B) 26**   **(C) 13**   **(D) 130**   **(E) 8125**

(2) **Find the product of the (LCM of 18 and 24) times the (GCD of 18 and 24).**
    (A) 216   **(B) 864**   **(C) 288**   **(D) 648**   **(E) 432**

(3) $37\frac{1}{2}$ **% of 800 is which of the following**

    (A) 300   **(B) 30**   **(C) 3000**   **(D) 296**   **(E) 2960**

(4) **What is the ratio of 4 feet to 7.5 yards written as a fraction?**

    (A) $\frac{8}{15}$ **(B)** $\frac{8}{5}$ **(C)** $\frac{8}{45}$ **(D)** $\frac{4}{15}$ **(E)** $\frac{4}{45}$

(5) **Find the value of** $24 \times \frac{25}{21}$ **written as a mixed number with the fractional part written as a common fraction.**

    (A) $27\frac{16}{21}$ **(B)** $27\frac{4}{7}$ **(C)** $28\frac{4}{7}$ **(D)** $29\frac{4}{7}$ **(E)** $28\frac{16}{21}$

(6) **If Brian averages 4.5 misses on his first six number sense contests of the year and misses eight on his seventh contest, what is his total number of misses for the seven contests?**
    (A) 34   **(B) 35**   **(C) 5**   **(D) 6.25**   **(E) 45**

(7) **3.75 square meters =_____ square centimeters**
    (A) 0.000375   **(B) 0.0375**   **(C) 3750**   **(D) 375**   **(E) 37500**

(8) **How many of the following triples would form a triangle?**
    I. 2, 3, 4   **II. 8, 11, 19**   **III. 14, 30, 40**   **IV. 12, 16, 20**   **V. 16, 63, 65**
    (A) 0   **(B) 2**   **(C) 3**   **(D) 4**   **(E) 5**

(9) **If a circle has radius x and its area is** $A\pi$ **and its circumference is** $C\pi$ **and** $\frac{A}{C}$ **equals 15, then x =_____**
    (A) 900   **(B) 7.5**   **(C) 30**   **(D) 15**   **(E) 60**

(10) **The sum of the squares of the smallest 13 positive integers is how much greater than the sum of the squares of the smallest 10 positive integers.**

    (A) 1296   **(B) 434**   **(C) 424**   **(D) 375**   **(E) 900**

(11) **The sum of the 7th triangular number, the 7th square number, and the 7th pentagonal number equals**
    (A) 343   **(B)**   **(C) 154**   **(D) 147**   **(E) 140**

(12) **How many whole numbers divide into 72 with a remainder of 0?**
    (A) 6   **(B) 8**   **(C) 9**   **(D) 10**   **(E) 12**

(13) Find the sum of the whole number divisors of 100.

(A) 117   (B) 192   (C) 212   (D) 217   (E) 216

(14) 105 miles per hour =_____feet per second

(A) 105   (B) 154   (C) 133   (D) 144   (E) 71.6

(15) $1_7 + 2_7 + 3_7 + 4_7 + \cdots + 36_7$ equals what number in base 7?

(A) 2130   (B) 756   (C) 1050   (D) 378   (E) 1040

(16) If the angles of a hexagon are $x + 1$, $3x + 3$, $5x + 5$, $5x + 7$, $3x + 9$ and $x + 11$,
then x = _____degrees

(A) 28   (B) 34   (C) 60   (D) 52   (E) 38

(17) If $0.177777\ldots = \frac{A}{B}$, where $\frac{A}{B}$ is a common fraction, find the value of $A + B$.

(A) 106   (B) 1176   (C) 392   (D) 115   (E) 53

(18) Last season, the average basketball ticket at Texas Mathematics University cost $31. This season, there is a 31% increase in the ticket price. How much will tickets cost this season?

(A) $40.31   (B) $40.61   (C) $21.39   (D) $9.61   (E) $40.71

(19) How many numbers between 500 and 2500 are perfect squares of a whole number?

(A) 24   (B) 25   (C) 26   (D) 27   (E) 28

(20) If the sales tax on an item is 8.25% and the tax is $3.63 on the item, what was the cost before tax on the item?

(A) $44.50   (B) $40.00   (C) $44.00   (D) $45.38   (E) $45.00

(21) $\dfrac{7^2 + 14^2 + 21^2 + 28^2 + 35^2}{7^2}$

(A) 15   (B) 225   (C) 55   (D) 57   (E) 50

(22) A frisbee made for playing disc golf costs $5.00 for materials. They sell each frisbee for $22. How many frisbees do they have to sell to surpass $1000 of profit?

(A) 60   (B) 59   (C) 46   (D) 41   (E) 37

(23) If A > 1, find k if $(A^{37} \div A^{22})^6 = A^{5k}$.

(A) 18   (B) 15   (C) 12   (D) 21   (E) 24

(24) If the x-intercept is (P, 0) and the y-intercept is (0, Q) on the straight line $9x + 6y = 108$, then P + Q =

(A) 12   (B) 30   (C) 18   (D) 7.2   (E) −6

(25) If a rectangle with length, l, and width, w, has an area of 144 and a perimeter of 52, then the diagonal will have a measure between which two integers?

(A) 16 and 17   (B) 17 and 18   (C) 18 and 19   (D) 19 and 20   (E) 20 and 21
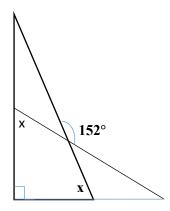
(26) If $132\frac{9}{100} = 11\frac{9}{10} \times A\frac{B}{C}$, then $A + B + C =$ _____

(A) 30   (B) 29   (C) 23   (D) 22   (E) 31

(27) If $0.375 + \frac{A}{B} = 1.25$, and A and B have no common divisors, then $A + B =$

(A) 15   (B) 16   (C) 13   (D) 14   (E) 12

(28) $4x - 3y = 9$ and $6x + 5y = 23$, find the value of $10x + 2y$.

(A) 28   (B) 45   (C) 32   (D) -28 (E) -14

(29) B is the units digit in the number 67B, a number that is divisible by 11. Find the value of B.

(A) 0   (B) 1   (C) 2   (D) 3   (E) 4

(30) Find the value of x in the figure to the right? (Not drawn to scale)

(A) 59° (B) 152° (C) 118° (D) 76° (E) 108°

(31) If the surface area of a sphere is 324π, find the volume of the sphere

(A) 108π (B) 7776π (C) 729π (D) 81π (E) 972π

(32) The line $2x + 5y = 60$ has how many coordinates (p, q) where both p and q are both positive integers.

(A) 7   (B) 3   (C) 4   (D) 6   (E) 5

(33) If a line passing through (k, 17) and (11, 5k) has a slope of $\frac{4}{3}$, then k = _____

(A) 15   (B) 10   (C) 5   (D) 4   (E) 3

(34) If Daniel runs 3.2 miles in 16 minutes, how what is Daniel's average speed in feet per minute?

(A) 996   (B) 16.6   (C) 17.6   (D) 1056   (E) 12

(35) PQR is a right triangle with 90 degree angle at Q. If QR has length $12\sqrt{5}$, and PQ has length $5\sqrt{5}$, then PR =

(A) $17\sqrt{5}$ (B) $13\sqrt{5}$ (C) 13   (D) 65   (E) $18\sqrt{5}$

(36) If $5,000 is invested at r% simple interest for 6 years and the investment is worth $6,800, find the value of r.

(A) 6   (B) 36   (C) 5   (D) 30   (E) 60

(37) Find the sum of the odd prime numbers between 1 and 30?

(A) 128   (B) 148   (C) 154   (D) 127   (E) 224

(38) 2 cups + 2 pints + 2 quarts + 2 gallons = _____cups

(A) 30   (B) 46   (C) 92   (D) 76   (E) 8

(39) If $24x + By = C$ passes through (5, 10) is perpendicular to $2x - 3y = 17$, then what is the value of C?

(A) -280 (B) -40 (C) 280   (D) -300 (E) 300

(40) If you have two sets of numbers A = {2, 3, 5, 7} and B = {1, 3, 6, 10, 15}, find the probability of obtaining an odd product when you choose one number from each set.

(A) $\frac{2}{5}$ (B) $\frac{1}{2}$ (C) $\frac{3}{5}$ (D) $\frac{11}{20}$ (E) $\frac{9}{20}$

(41) Find the LCM of 18, 45, and 60

(A) 2700   (B) 900   (C) 360   (D) 720   (E) 180

(42) What is the area of a triangle with coordinates P(8, 14) Q (0, 0), and R(0, 25)?

(A) 175   (B) 50   (C) 100   (D) 200   (E) 350

(43) If the sum of 15 consecutive odd integers is 135 , then how many of the integers are negative?

(A) 3   (B) 2   (C) 1   (D) 4   (E) 7

(44) Krishna can work a math test in 36 minutes. Alexis can work a math test in 45 minutes. How long would it take them to work a math test if they worked together to the nearest tenth of a minute?

(A) 40.5   (B) 20.3   (C) 20   (D) 40   (E) 22.5

(45) Find the length of the longest rod that would fit in a rectangular prism with length 6, width $6\sqrt{3}$, and height 16.

(A) 28   (B) 25   (C) 15   (D) 20   (E) 24

(46) If the x-intercept of the function, $f(x) = 8x + b$ is 5, then b = _____

(A) 40   (B) -40 (C) -1.6 (D) 1.6   (E) 32

(47) If the y-intercept and x-intercept of $f(x) = mx - 12$ add to -9, then the value of m is

(A) $\frac{1}{4}$ (B) $\frac{4}{3}$ (C) $-\frac{1}{4}$ (D) -4 (E) 4

(48) If $2^{x-1} = 10$, then $2^{x+2} =$

(A) 5 (B) 20 (C) 40 (D) 80 (E) 30

(49) $72_8 \times 5_8$ is equal to what number in base 8.

(A) 442 (B) 432 (C) 360 (D) 342 (E) 332

(50) A 7 by 7 by 7 cube is made up of 343 individual unit cubes. The faces of the 7 by 7 by 7 cube are painted red. How many of the unit cubes have either 2 or 3 red faces painted on them?

(A) 60 (B) 68 (C) 76 (D) 218 (E) 275

MIDDLE SCHOOL VIRTUAL CHALLENGE MEETS
MATHEMATICS
CONTESTANT ANSWER SHEET

CONTESTANT _____ SCHOOL_____ GRADE _____

CORRECT ANSWER = 5 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
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21. _____
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31. _____
32. _____
33. _____
34. _____
35. _____
36. _____
37. _____
38. _____
39. _____
40. _____

41. _____
42. _____
43. _____
44. _____
45. _____
46. _____
47. _____
48. _____
49. _____
50. _____

The Virtual Challenge Meets™

2023-2024 Middle School Virtual Challenge Meet #3 - Mathematics Key

CORRECT ANSWER = 5 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1.	C	21.	C	41.	E		
2.	E	22.	B	42.	C		
3.	A	23.	A	43.	A		
4.	C	24.	B	44.	C		
5.	C	25.	D	45.	D		
6.	B	26.	D	46.	B		
7.	E	27.	A	47.	E		
8.	D	28.	C	48.	D		
9.	C	29.	B	49.	A		
10.	B	30.	A	50.	B		
11.	D	31.	E				
12.	E	32.	E				
13.	D	33.	C				
14.	B	34.	D				
15.	C	35.	B				
16.	E	36.	A				
17.	E	37.	D				
18.	B	38.	B				
19.	D	39.	C				
20.	C	40.	E				

Name _____

School _____

Grade   5   6

Classification: A   2A   3A   4A   5A   6A

Final   _____   _____

2nd   _____   _____

1st   _____   _____

Score   Initials

Read directions carefully before beginning test

DO NOT UNFOLD THIS SHEET UNTIL TOLD TO BEGIN

Directions: Do not turn this page until the proctor gives the signal to begin. This is a ten-minute test. There are 80 problems. Solve accurately and quickly as many as you can in the order in which they appear. ALL PROBLEMS ARE TO BE SOLVED MENTALLY without the help of paper, pencil, or calculator. Write only the answer in the space provided at the end of each problem. Problems marked with an (*) require approximate integral answers; any answer to a problem with an *asterisk* that is within five percent of the exact answer will be scored correct; all other problems require exact answers.

STOP – WAIT FOR SIGNAL!

(1) $2024 - 55 =$ _____

(2) $7 \times 13 =$ _____

(3) $312 \div 4 =$ _____

(4) $2023 + 2024 - 3017 =$ _____

(5) $11 \times 2 \times 9 =$ _____

(6) $48 \times 50 =$ _____

(7) $168 \div 8 =$ _____

(8) $89 - 24 - 25 =$ _____

(9) $37 \times 25 =$ _____

*(10) $125 \times 2024 =$ _____

(11) 23.78491 rounded to the nearest thousandth is _____

(12) $68 \times 62 =$ _____

(13) Which digit is in the hundredths place of 14.327914? _____

(14) $75 \times 11 =$ _____

(15) What is the remainder of $1410 \div 4$? _____

(16) What is the remainder of $201735 \div 9$? _____

(17) How many even whole numbers are between 15 and 39? _____

(18) $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 =$ _____

(19) MMXXIV - LX = _____ (Arabic Numeral)

*(20) $2024 \times 55 =$ _____

(21) $19 + 15 + 11 + 7 + 3 =$ _____

(22) $24 \div 3 + (5 \times 8) \div 4 =$ _____

(23) 80 hours = _____ minutes

(24) $16 \% =$ _____ (fraction)

(25) $11\frac{5}{8} \times 8 =$ _____

(26) $\frac{17}{12} - \frac{2}{3} =$ _____ (fraction)

(27) $96 \times 97 =$ _____

(28) If 3 pencils cost \$1.50, then 5 dozen pencils cost \$ _____

(29) $28 \times 111 =$ _____

*(30) $499 \times 832 =$ _____

(31) 15 quarters + 1 dime = _____ nickels

(32) How many prime numbers are between 90 and 100? _____

(33) $\$100.00 - \$87.18 = \$$ _____

(34) $\frac{7}{15} \div \frac{7}{45} =$ _____

(35) 5280 feet = _____ yards

(36) The GCD of 33 and 44 is _____

(37) The LCM of 33 and 44 is _____

(38) $294 \times 11 =$ _____

(39) $37\frac{1}{2}\% = $_____(common fraction)

*(40) $62\frac{1}{2} \times 2402 = $_____

(41) $19^2 = $_____

(42) $9^3 = $_____

(43) The volume of a cube
with side 10 cm is_____cm^3

(44) The area of a rectangle with sides 18 inches
and 22 inches is_____ square inches

(45) If $2x - 11 = 37$, then x = _____

(46) If $8x - 11 = 37$, then x = _____

(47) $6\frac{2}{5} \times 6\frac{3}{5} = $_____(mixed number)

(48) $103 \times 105 = $_____

(49) 11 gallons = _____ pints

*(50) $35 \times 40 \times 45 = $_____

(51) What is the value of $(k + n)$, in the sequence:
1, 1, 2, 3, 5, 8, 13, k, n … ? _____

(52) If the area of a circle is 36π,
what is the diameter of the circle? _____

(53) What is the perimeter of a rectangle
with area 52 and width 4?_____

(54) $12.5 \times 48 = $_____

(55) What whole number squared
plus 225 equals 289? _____

(56) If the semi-perimeter of a triangle
is 18, and two of its sides are
8 and 12, then the third side equals_____

(57) How many elements are in the union
of the sets {t,e,x,a,s} and {t, e, c, h}?_____

(58) The set {t,e,x,a,s,&,m} has_____subsets

(59) What is the perimeter of a regular
decagon with a side of 14.7 cm? _____ cm

*(60) 245 feet = _____ inches

(61) 85 (base 10) = _____(base 7)

(62) $(-5)^3 = $_____

(63) 15 square yards = _____ square feet

(64) $44^2 = $_____

(65) Two fair dice are thrown. What is the probability
that the sum of the top faces is less than 4?_____

(66) 6 quarters plus 3 dimes plus 7 pennies = $_____

(67) The volume of a rectangular box that measures
2.5 m by 8 m by 15 m is_____ m^3

(68) If $3x + 17 < 44$, then x < _____

(69) $\frac{15}{11} + \frac{11}{15} = $_____(mixed number)

*(70) $49 \times 333 + 56 \times 333 = $_____

(71) 3.5 days = _____hours

(72) For a right triangle with legs of 8 and 15,
with hypotenuse of 17, what is the
ratio of the perimeter to the area?_____

(73) If 14% of x is 55% of 70, then x = _____

(74) $(-18) + (33) + (-22) = $_____

(75) $11^2 + 22^2 = $_____

(76) $24^2 - 16^2 = $_____

(77) What is the distance between
17 and -32 on the number line?_____

(78) $143 \times 98 = $_____

(79) The area of a square with diagonal 12 is _____

*(80) $\sqrt{23211} = $_____

(1) 1969

(2) 91

(3) 78

(4) 1030

(5) 198

(6) 2400

(7) 21

(8) 40

(9) 925

*(10) 240350 – 265650

(11) 23.785

(12) 4216

(13) 2

(14) 825

(15) 2

(16) 0

(17) 12

(18) 55

(19) 1964

*(20) 105754 – 116886

(21) 55

(22) 18

(23) 4800

(24) $\frac{4}{25}$

(25) 93

(26) $\frac{3}{4}$

(27) 9312

(28) 30.00

(29) 3108

*(30) 394410 – 435926

(31) 77

(32) 1

(33) 12.82

(34) 3

(35) 1760

(36) 11

(37) 132

(38) 3234

(39) $\frac{3}{8}$

*(40) 142619 – 157631

(41) 361

(42) 729

(43) 1000

(44) 396

(45) 24

(46) 6

(47) $42\frac{6}{25}$

(48) 10815

(49) 88

*(50) 59850 – 66150

(51) 55

(52) 12

(53) 34

(54) 600

(55) 8

(56) 16

(57) 7

(58) 128

(59) 147

*(60) 2793 – 3087

(61) 151

(62) – 125

(63) 135

(64) 1936

(65) $\frac{1}{12}$

(66) 1.87

(67) 300

(68) 9

(69) $2\frac{16}{165}$

*(70) 33217 – 36713

(71) 84

(72) $\frac{2}{3}$

(73) 275

(74) −7

(75) 605

(76) 320

(77) 49

(78) 14014

(79) 72

*(80) 145 – 159

Name _____

School _____

Grade   5   6

Classification: A   2A   3A   4A   5A   6A

Final   _____   _____

2ⁿᵈ   _____   _____

1st   _____   _____

Score   Initials

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STOP – WAIT FOR SIGNAL!

(1) $88 \times 11 =$ _____

(2) $2023 + 2024 =$ _____

(3) $186 \div 6 =$ _____

(4) $24 + 24 \div 3 - 7 \times 2 =$ _____

(5) $\frac{17}{20} + \frac{2}{5} =$ _____ (decimal)

(6) $144 \times 0.5 \times 0.25 =$ _____

(7) $2023 \div 0.25 =$ _____

(8) $19^2 =$ _____

(9) $44 \times 25 \times 3 =$ _____

*(10) $0.3333\ldots \times 2023 =$ _____

(11) $2.41 \times 3 =$ _____ (decimal)

(12) What is the mean of 1, 5, 8 and 3? _____

(13) Which is larger: $\frac{14}{17}$ or $\frac{11}{14}$? _____

(14) $34 \times 26 =$ _____

(15) $115 - (1 + 2 + 3 + 4 + 5) =$ _____

(16) $73 \times 77 =$ _____

(17) $385 \div 11 =$ _____

(18) $20 + 23 + 26 + 29 =$ _____

(19) MMXLVIII = _____ (Arabic Numeral)

*(20) $21 \times 2024 + 23 \times 2024 =$ _____

(21) $88 \times 0.125 + 88 \times 0.375 =$ _____

(22) If f(x) = 15 – 7x, then f(–3) = _____

(23) The ratio of 2 feet to 4 yards is _____

(24) $11\frac{1}{2} \times 5\frac{1}{2} =$ _____ (mixed number)

(25) $2\frac{1}{3} + 4\frac{5}{12} =$ _____ (mixed number)

(26) $789 \times 111 =$ _____

(27) The positive square root of 625 is _____

(28) If *n* is to 15 as 11 is to 33, then *n* = _____

(29) If 4x + 13 = 33, then x = _____

*(30) $(45 \times 55)^2 =$ _____

(31) $134 \times 50 =$ _____

(32) The sum of the smallest three positive cubes is _____

(33) If $\frac{1}{2} - \frac{1}{8} = n$, then $\frac{1}{n} =$ _____ (improper fraction)

(34) The product of the LCM and GCD of 92 and 96 is _____

(35) 5 quarts = _____ ounces

(36) 12.5% = _____ (fraction)

(37) $86 \times 26 =$ _____

(38) The cost of an \$80.00 item with a 30% discount is \$ _____

(39) The area of an equilateral triangle with side 16 is $k\sqrt{3}$ and $k =$_____

*(40) $444 \times \sqrt{8100} =$ _____

(41) 312 (base 4) =_____(base 2)

(42) $11^3 =$ _____

(43) \$4 minus 32 nickels = \$_____

(44) What is the length of a diagonal of a rhombus with an area of 60 and the other diagonal is 15?__

(45) $435\,(base\ 8) - 267(base8) =$_____(base 8)

(46) $88 \times 92 =$ _____

(47) What is the length of an edge of a cube with surface area 9600? _____

(48) $108 \times 106 =$ _____

(49) $\frac{1}{4} + \frac{2}{4} + \frac{3}{4} + \ldots + \frac{15}{4} =$ _____

*(50) $390\pi^3 =$_____

(51) What is the value of $k + p$ in the sequence: 5, 11, 17, 23, 29, 35, 41, k, 53, p ….?_____

(52) If $\frac{2}{3}x - 5 > 13$, then $x >$ _____

(53) What is the perimeter of an equilateral triangle with side length of 3.8 cm? _____cm

(54) $45_8 \times 3_8 =$ _____(base 8)

(55) $\sqrt{7^2 + 4^2 + 4^2} =$_____

(56) What is the area of a trapezoid with bases 22 and 38 and height 17?_____

(57) $\left(12^2 + 13^2\right) \div 4$ has a remainder of _____

(58) $553 \times 111 =$ _____

(59) How many elements are in the union of the set {11, 12, 13, 14, 15} and {11, 13, 15, …, 25}?_____

*(60) $888 \times 449 =$_____

(61) $12 \times \left(3^{-1} + 3^{-2}\right) =$_____(mixed number)

(62) 176 feet per second = _____ miles per hour

(63) 27 cubic yards = _____cubic feet

(64) 60% of 25% of 800 is _____

(65) What are the odds of picking a red card or an ace from a standard deck of 52 cards?_____

(66) The number of minutes in one day is_____

(67) 42 has _____whole number divisors

(68) $6! =$_____

(69) $6\frac{3}{4} \div \frac{3}{8} =$ _____

*(70) $1111 \div 40 \times 140 =$_____

(71) $\left(6^2 + 18^2\right) + \left(18^2 + 54^2\right) =$_____

(72) $3.4444\ldots = \frac{a}{b}$ when written as an improper fraction. $a + b =$ _____

(73) $0.7333\ldots =$ _____(fraction)

(74) $(1 + 3 + 5 + \ldots + 9) + (1 + 3 + 5 + \ldots + 23) =$_____

(75) The 13th triangular number is_____

(76) $66^2 - 24^2 = 15 \times$_____

(77) The distance between the points (-11, 4) and (9, 0) is k, $k^2 =$_____

(78) $\frac{26!}{24!} =$_____

(79) If the perimeter of a square is $44\sqrt{2}$. Find the area of the square._____

*(80) 1250 square miles = _____acres

(1) 968

(2) 4047

(3) 31

(4) 18

(5) 1.25

(6) 18

(7) 8092

(8) 361

(9) 3300

*(10) 641 – 708

(11) 7.23

(12) 4.25, $4\frac{1}{4}$, $\frac{17}{4}$

(13) $\frac{14}{17}$

(14) 884

(15) 100

(16) 5621

(17) 35

(18) 98

(19) 2048

*(20) 84604 – 93508

(21) 44

(22) 36

(23) $\frac{1}{6}$

(24) $63\frac{1}{4}$

(25) $6\frac{3}{4}$

(26) 87579

(27) 25

(28) 5

(29) 5

*(30) 5819344 – 6431906

(31) 6700

(32) 36

(33) $\frac{8}{3}$

(34) 8832

(35) 160

(36) $\frac{1}{8}$

(37) 2236

(38) 56.00

(39) 64

*(40) 37962 – 41958

(41) 110110

(42) 1331

(43) 2.40

(44) 8

(45) 146

(46) 8096

(47) 40

(48) 11448

(49) 30

*(50) 11488 – 12697

(51) 106

(52) 27

(53) 11.4

(54) 157

(55) 9

(56) 510

(57) 1

(58) 61383

(59) 10

*(60) 378777 – 418647

(61) $5\frac{1}{3}$

(62) 120

(63) 729

(64) 120

(65) $\frac{7}{6}$ or $1\frac{1}{6}$

(66) 1440

(67) 8

(68) 720

(69) 18

*(70) 3695 – 4082

(71) 3600

(72) 40

(73) $\frac{11}{15}$

(74) 169

(75) 91

(76) 252

(77) 416

(78) 650

(79) 242

*(80) 760000 – 840000

THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024

MIDDLE SCHOOL

VIRTUAL CHALLENGE MEET #3

Science

DO NOT OPEN TEST UNTIL TOLD TO DO SO
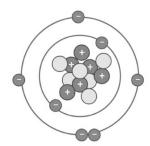
1. A eudiometer is used to collect gas after a chemical reaction has taken place. How much gas has been produced by the yeast fermenting?
   A) 10 mL
   B) 60 mL
   C) 50 mL
   D) 70 mL

2. When the _____ transcript is created, it will travel to the _____ where the _____ will bring amino acids to help create proteins.
   A) DNA, nucleus, mRNA
   B) mRNA, nucleus, rRNA
   C) mRNA, ribosome, tRNA
   D) rRNA, ribosome, mRNA

3. While Sarah was making pasta, she took notice of the metal pot heating up by the stove element and then she saw bubbles forming in the water at the bottom of the pot. Soon the water began to boil. What energy transfers took place?
   A) mechanical to thermal
   B) conduction to convection
   C) radiant to chemical
   D) convection to thermal

4. In human genetics, a neurodegenerative disease called Huntington's is inherited dominantly. If a child without Huntington's disease was produced by the cross of two individuals with the disease, what are the genotypes of the parents?
   A) Hh x HH
   B) Hh x hh
   C) hh x hh
   D) Hh x Hh

5. The Earth's rotation directly affects the cycling of
   A) the moon phases.
   B) the seasons.
   C) the day and night.
   D) the spring tide.

6. When performing an experiment, which piece of lab equipment is best if you need to react two solutions in small amounts and measure the temperature change?
   A) Graduated cylinder
   B) Burette
   C) Test tube
   D) Spot plate

7. What happens to the mass of substance in a chemical change?
   A) It will increase.
   B) It will decrease.
   C) It will be transformed and then decrease.
   D) It will remain constant.

8. How many different trophic levels is the coyote able to occupy in the partial food web below?
   A) 6
   B) 5
   C) 4
   D) 3

9. When a groundhog burrows through the soil they damage the grass and tear up the roots of plants. What type of symbiotic relationship is this?
   A) Amensalism
   B) Parasitism
   C) Commensalism
   D) Competition

10. The gallbladder is responsible for storing and releasing bile. Bile is a chemical used in the digestion of fats. What food might an individual with their gallbladder removed need to avoid?
    A) Steak
    B) Broccoli
    C) Baked potato
    D) Cheese

11. Two kids playing on a seesaw will push off from the ground to move themselves upwards causing the other child to move down. What is true of the work being done?
    A) The work is positive.
    B) The work is negative.
    C) The work is zero.
    D) There is not enough information to determine.

12. How do sugars created by leaves during photosynthesis get into the roots for cellular respiration?
    A) They travel by the xylem.
    B) They travel by the vacuoles.
    C) They travel by the phloem.
    D) They travel by the meristem.

13. What is not a correct description of solutions?
    A) They keep their physical properties.
    B) They can be separated, but by evaporation.
    C) They contain dissolved solutes.
    D) They are homogenous.

14. Migratory African elephants are being greatly affected by which of the following human activities?
    A) Plastic waste reduced nesting sites.
    B) Water pollution due to runoff.
    C) Draining of wetlands and conversion to agriculture.
    D) Habitat fragmentation and urbanization.

15. What is true about the atomic model?
    A) Its valence shell is complete.
    B) It is anion.
    C) It is an isotope.
    D) It is neutrally charged.

16. Which of these statements is correct regarding sexual reproduction and not asexual reproduction?
    A) The genetic material of the offspring is identical to the parents.
    B) The offspring will contribute unique genetic diversity to the population.
    C) The genetic material is not identical to the parents, but they each contribute.
    D) The offspring will grow and develop.

17. An antibiotic such as amoxicillin would not be a useful treatment for which of the following diseases?
    A) Fungal athletes' foot
    B) Bacterial meningitis
    C) Strep throat
    D) None of the above

18. Acceleration due to gravity is measured to be
    A) 9.8 m/s^2.
    B) 9.8 m/s.
    C) 6.67 m/s^2.
    D) 6.67 m/s^2.

19. In the spring, we saw the return of El Niño after three years of La Niña. What is a possible outcome of this?
    A) The southern United States can experience drought during the winter as the jet stream moves south and further east.
    B) The number of Pacific hurricanes typically increase.
    C) Parts of Indonesia will experience more rain and flooding.
    D) All are true

20. What would describe the behavior of the light in the image below?
    A) The light is being absorbed.
    B) The light is being reflected.
    C) The light is being scattered.
    D) The light is being refracted.
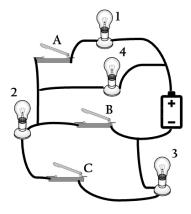
21. An animal cell undergoes the following:

   Spindle fibers attach to kinetochores
   Chromosomes migrate to the equatorial plate

   What would be the next step of the process?
   A) Sister chromatids begin to separate.
   B) Two new nuclear membranes form.
   C) The nuclear membrane dissolves.
   D) The cytoplasm divides and two new daughter cells are created.

22. A person can have a tumor that causes them to have the urge to consume high amounts of water in a short period of time. This can lead to a condition called hyponatremia. This is described as having a low sodium concentration due to high water volume in the body. What would be the best treatment for someone with this condition?
   A) Increase in fluid intake
   B) Increase in exercise such as running
   C) Increase in saline and electrolytes
   D) Decrease in sleep

23. What would occur if only switch B was closed in the circuit?
   A) Only lightbulb 2 will turn on.
   B) Lightbulbs 2, 3, and 4 will turn on.
   C) Lightbulbs 2 and 3 will turn on.
   D) Only lightbulb 4 will turn on.

24. If the shadow of a tree at 10 am measures 2 meters, approximately how long would it to measure at 4 pm?
   A) 1 meter
   B) 2 meters
   C) 4 meters
   D) there will not be a shadow at that time

25. Scientists have studied the toepad width of Anole lizards. They have found the toepad width of lizards found on tropical islands were much larger than those on the mainland. What is this best referred to as?
   A) Resource partitioning   C) Natural selection
   B) Competitive exclusion   D) Niche adaptation
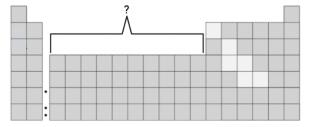
26. What type of elements are found in this region of the periodic table?
    A) Alkali metals
    B) Noble gases
    C) Nonmetals
    D) Transition metals

27. Which of the following does not contribute to the creation of oil and natural gas?
    A) Sedimentary rock
    B) Decaying plants
    C) Hydrothermal vents
    D) Fossilized remains of zooplankton

28. A scientist crosses two plants and records the outcomes of the offspring in the data table below. What statement correctly describes the data?

	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5
Petal Color	Purple	White	Purple	Purple	White
Leaf Length	Long	Short	Short	Short	Long

    A) Petal color and leaf length are the alleles.
    B) Purple/white and short/long are the phenotypes.
    C) Petal color and leaf length are the genotypes.
    D) Leaf length is dependent on the petal color.

29. Mature immune cells like T and B cells can be stored in what other body system?
    A) Endocrine   C) Nervous
    B) Circulatory   D) Lymphatic

30. The San Andreas fault lies along which tectonic plates?
    A) Pacific plate and North American plate
    B) North American plate and Eurasian plate
    C) Atlantic plate and Pacific plate
    D) South American plate and Pacific plate

31. The following is a unique type of stationary cloud that forms parallel with the wind direction creating layers. What type of cloud is this?
    A) Lenticular
    B) Cumulus
    C) Stratocumulus
    D) Rainbow

32. Using the periodic table, identify which element is more likely to give up electrons to form a bond?
   A) Sr
   B) F
   C) Cl
   D) P

1 H								2 He
3 Li	4 Be		5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg		13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc ...	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y ...	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57-70 *	71 Lu ...	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89-102 **	103 Lr ...	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo

33. During lab students are given 4 unknown metal cubes to determine their substance. What physical property would be best to help identify the metal cubes?
   A) Mass
   B) Volume
   C) Density
   D) Luster
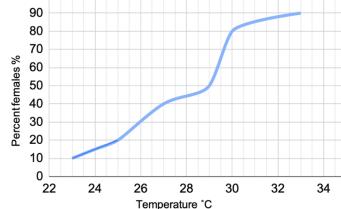
34. The incubation temperature of sea turtle eggs influences the sex of the eggs. The temperature at which the determination between the egg becoming male or female is called the pivotal temperature. The graph below shows the percentage of females in a clutch and their incubation temperatures. What is the pivotal temperature?
   A) 23°C
   B) 26°C
   C) 29°C
   D) 33°C

35. What is the correct representation of sexual reproduction?
   A) 2n + n = 2n
   B) n + n = 2n
   C) 1/2n + 1/2n = n
   D) 2n + 2n = n

36. As more bulbs are added to a series circuit there will be a
   A) increase in voltage.
   B) increase in amps.
   C) decrease in current.
   D) decrease in resistance.

37. Which of the following is not correctly matched?
   A) Aluminum-insulator
   B) Copper-conductor
   C) Glass-insulator
   D) Silicon-semiconductor
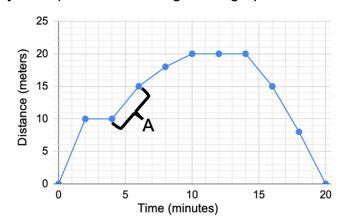
38. During a chemical reaction involving two solutions, a white solid formed at the bottom of the flask. What is this white solid called?
    A) Precipitate
    B) Reagent
    C) Pellet
    D) Solute

39. If water boils at 100˚C or 212˚F and the human body average temperature is 98.6˚F which is 37˚C, what would the approximate Celsius temperature be of 80˚F?
    A) 10˚C
    B) 2˚C
    C) 32˚C
    D) 25˚C

40. What part of a flowering plant develops into the fruit?
    A) Bulb
    B) Ovary
    C) Seed
    D) Stamen

41. Which atomic model represents the following compound, $CaCl_2$?
    A)
    C)
    B)
    D)

42. What does the area labeled A-B in the contour map below represent?
    A) Canyon
    B) River
    C) Tectonic plate
    D) Depression

43. The discovery of cells through observation of a plant cork was done by what scientist?
    A) Antonie Von Leeuwenhoek
    B) Niels Bohr
    C) Robert Hooke
    D) Charles Darwin

44. What are potential products of fermentation?
    A) CO_2, alcohol, lactic acid
    B) O_2, alcohol, water
    C) alcohol, sugar, lactic acid
    D) O_2, lactic acid, water

45. What is the appropriate shorthand description of the following location? Latitude is always written first. 15 degrees east of the prime meridian and 60 degrees south of the equator
    A) 15°W, 60°N
    B) 15°E, 60°S
    C) 60°S, 15°E
    D) 30°S, 75°E

46. If the moth and butterfly both belong to the same Order Lepidoptera, which of the following statements is true?
   A) They belong to the same Family Saturniidae.
   B) They have the same scientific name.
   C) They are similar species.
   D) They belong to the same Class Insecta.

47. What is needed to move small non-polar molecules across a membrane from an area of high concentration to low concentration?
   A) ATP
   B) A channel protein
   C) A vesicle
   D) Nothing, they will passively move

48. What does the Hertzsprung-Russell (HR) diagram represent?
   A) The size of stars according to their mass.
   B) The age of star clusters.
   C) The relationship between a star's mass and it's acceleration.
   D) The relationship between a star's luminosity and it's surface temperature.

49. What is the speed of the bicycle at point A according to the graph?
   A) 2.5 m/min
   B) 0.83 m/min
   C) 1.67 m/min
   D) 0 m/min

50. When do neap tides occur?
   A) When the sun and moon are at right angles to each other.
   B) When there is a new moon.
   C) When there is a full moon.
   D) At the same time as spring tides.

2023-2024
MIDDLE SCHOOL VIRTUAL CHALLENGE MEET #3
SCIENCE - ANSWER KEY

(Correct Answer = 5 pts, Incorrect Answer = (-2) pts, No penalty for leaving blank)

1.	B	19.	B	37.	A
2.	C	20.	D	38.	A
3.	B	21.	A	39.	D
4.	D	22.	C	40.	B
5.	C	23.	D	41.	A
6.	C	24.	C	42.	B
7.	D	25.	D	43.	C
8.	C	26.	D	44.	A
9.	A	27.	C	45.	B
10.	D	28.	B	46.	D
11.	B	29.	D	47.	D
12.	C	30.	A	48.	D
13.	A	31.	A	49.	A
14.	D	32.	A	50.	A
15.	B	33.	C		
16.	C	34.	C		
17.	A	35.	B		
18.	A	36.	C		

THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024

Middle School
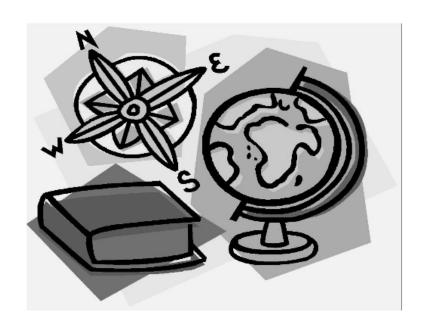
Virtual Challenge Meet #3

Social Studies 5th/6th

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2023-2024
Middle School Virtual Challenge Meet #3
5th/6th Grade Social Studies

1. What type of jurisdiction does the Supreme Court have?

   A. Appellate
   B. Territorial
   C. Military
   D. Financial

2. Which of the following is a qualification for becoming the president of the U.S.?

   A. Be at least 30 years old and be a U.S. resident
   B. Be at latest 20 years old and have a college degree
   C. Be at least 25 years old and have lived in the U.S. for at least 10 years
   D. Be at least 35 years old and be a citizen

3. "A system of government in which religious figures lead." What type of government is being described above?

   A. Theocracy
   B. Democracy
   C. Republic
   D. Monarchy

4. Who was the primary author of the Bill of Rights?

   A. Thomas Jefferson
   B. Benjamin Franklin
   C. James Madison
   D. John Locke

5. Which of the following countries has an unlimited type of government?

   A. Iran
   B. Canada
   C. Brazil
   D. France

6. When the Supreme Court declares a law to be unconstitutional, it is using what power?

   A. Judicial appointments
   B. Judicial jurisdiction
   C. Judicial balance
   D. Judicial review

7. Which feature of the government gives the government the ability to adapt and change over time?

    A. Limited government   **C.** Separation of powers
    B. Ability to pass amendments   **D.** Checks and balances

8. Which of the following is a grievance listed in the Declaration of Independence?

    A. Allowing open trade between colonies and other nations
    B. Taxing colonies with their permission
    C. Quartering troops in colonies without permission
    D. Calling for too many elections

9. The preamble states "ensure domestic tranquility" what is an example of this?

    A. Protect against foreign invasion
    B. Provide tax revenue
    C. Maintain and run elections
    D. Settle disputes between states

10. Which of the following battles ended the Texas Revolutionary War?

    A. Gonzales   **C.** Goliad
    B. San Jacinto   **D.** Alamo

11. What position does Dan Patrick currently hold?

    A. Texas Speaker of the House   **C.** U.S. Senator for Texas
    B. Lt. Governor of Texas   **D.** Governor of Texas

12. Which of the following is listed as a part of the preamble?

    A. Necessary and proper clause
    B. the supreme Law of the Land
    C. The right to Life, Liberty and the pursuit of Happiness
    D. Promote the general welfare

13. Which of the following is part of the Third Amendment?

    A. No illegal search and seizures
    B. Protections of freedom of speech
    C. No quartering of troops in homes
    D. Protections of right to a trial by jury

14. Who is the current Governor of Texas?

    A. Ken Paxton
    B. Greg Abbott
    C. Angela Colmenero
    D. Dade Phelan

15. Which of the following amendments protects the right to peacefully assemble?

    A. 1st
    B. 2nd
    C. 4th
    D. 5th

16. The Constitutional Convention took place in the summer of 1787 in Philadelphia, which of the following people was NOT at the convention?

    A. James Madison
    B. Thomas Jefferson
    C. George Washington
    D. Benjamin Franklin

17. The ages of the members of the Constitutional Convention ranged from 26 to 81, who was the oldest member?

    A. Benjamin Franklin
    B. George Washington
    C. Governor Morris
    D. Alexander Hamilton

18. Which plan at the Constitutional Convention proposed a bicameral legislative branch?

    A. The New Jersey Plan
    B. The New York Plan
    C. The Virginia Plan
    D. The Maryland Plan

19. Who set the precedent of only serving two terms as president when they chose not to run in 1796?

    A. John Adams
    B. Benjamin Franklin
    C. Thomas Jefferson
    D. George Washington

20. The U.S. Constitution was written in 1787 and then needed to be ratified. What two groups debated whether it should be ratified?

    A. Federalists and Antifederalists
    B. Democrats and Republicans
    C. Loyalists and Patriots
    D. Whigs and Tories

21. In what year was Washington D.C. founded in order to serve as the new capital of the United States?

    A. 1790   **C.** 1824
    B. 1812   **D.** 1828
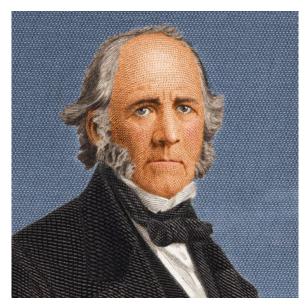
22. Who is the current Speaker of the U.S. House of Representatives?

    A. Mitch McConnell   **C.** Kevin McCarthy
    B. Hakeem Jeffries   **D.** Nancy Pelosi

23. Which principle of government states that the government's right to rule comes from the people?

    A. Popular sovereignty   **C.** Republicanism
    B. Federalism   **D.** Limited government

24. Which of the following is a power of the governor in Texas?

    A. Passing legislation   **C.** Calling special sessions
    B. Removing justices   **D.** Changing tax rates

25. In the Declaration of Independence, many grievances were listed. What is the definition of a grievance?

    A. Happiness   **C.** Assistance
    B. Complaint   **D.** Benefits

26. Who is the current Senate Pro Tempore of the U.S. Senate?

    A. Mitch McConnell   **C.** Chuck Schumer
    B. Patrick Leahy   **D.** Patty Murray

27. What is the current voting age in the United States?

    A. 16   **C.** 21
    B. 18   **D.** 24

28. What is the term for an election that features Senators and Members of the House, but not the president?

    A. Primary   **C.** Midterm
    B. Local   **D.** None of the above

29. Which document from 1620 in colonial America called for self-government and majority rule?

    A. Jamestown Law   **C.** Act of Toleration
    B. Mayflower Compact   **D.** Parliament Act

30. Which of the following countries has a parliamentary democracy today?

    A. Great Britain   **C.** North Korea
    B. Mexico   **D.** Russia

31. Based on the original U.S. Constitution (prior to any amendments), which of the following was directly elected by the people?

    A. Senate   **C.** Cabinet

    B. President   **D.** House of Representatives

32. Which group led the movement for the addition of the Bill of Rights to the Constitution?

    A. Federalists   **C.** Founders

    B. Antifederalists   **D.** Whigs

33. For an amendment to be added to the Constitution, it may be proposed by a _____ vote of Congress then be ratified by _____ of the State legislatures.

    A. Three-fourths — three-fourths

    B. Unanimous - unanimous

    C. Two-thirds — three-fourths

    D. Two-thirds — two-thirds

34. What is the difference between a constitutional monarchy and an absolute monarchy?

    A. Absolute monarchs share power with appointed officials

    B. constitutional monarchs share power with no one

    C. absolute monarchs hold regular elections

    D. constitutional monarchs share power with elected officials

35. Who is the current Secretary of State?

    A. Anthony Blinken   **C.** Lloyd Austin

    B. Janet Yellen   **D.** Deb Haaland

36. Which of the following would be an example of an educational institution?

    A. A post office   **C.** A university

    B. A police headquarters   **D.** A mosque

37. Who was the second president of the Republic of Texas?

    A. Stephen F. Austin   **C.** David Crockett
    B. Mirabeau Lamar   **D.** Sam Houston

38. What is the term length for a senator in Texas?

    A. 2 years   **C.** 6 years
    B. 4 years   **D.** 8 years

39. Which of the following statements is from the Second Amendment?

    A. "A well regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear Arms"
    B. "The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures"
    C. "Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted."
    D. "The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people."

40. Who was known as the "Father of Texas" for leading the original 300 settlers in 1824?

    A. Sam Houston   **C.** Mirabeau Lamar
    B. Stephen F. Austin   **D.** David Crockett

2023-2024
Middle School Virtual Challenge Meet #3
5th/6th Grade Social Studies
Contestant Answer Sheet

CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

Contestant _____ **School** _____ **Grade** _____

1.	A	B	C	D	21.	A	B	C	D
2.	A	B	C	D	22.	A	B	C	D
3.	A	B	C	D	23.	A	B	C	D
4.	A	B	C	D	24.	A	B	C	D
5.	A	B	C	D	25.	A	B	C	D
6.	A	B	C	D	26.	A	B	C	D
7.	A	B	C	D	27.	A	B	C	D
8.	A	B	C	D	28.	A	B	C	D
9.	A	B	C	D	29.	A	B	C	D
10.	A	B	C	D	30.	A	B	C	D
11.	A	B	C	D	31.	A	B	C	D
12.	A	B	C	D	32.	A	B	C	D
13.	A	B	C	D	33.	A	B	C	D
14.	A	B	C	D	34.	A	B	C	D
15.	A	B	C	D	35.	A	B	C	D
16.	A	B	C	D	36.	A	B	C	D
17.	A	B	C	D	37.	A	B	C	D
18.	A	B	C	D	38.	A	B	C	D
19.	A	B	C	D	39.	A	B	C	D
20.	A	B	C	D	40.	A	B	C	D

2023-2024
Middle School Virtual Challenge Meet #3
5th/6th Grade Social Studies -- ANSWER KEY

CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1.	A		21.	A
2.	D		22.	C
3.	A		23.	A
4.	C		24.	C
5.	A		25.	B
6.	D		26.	D
7.	B		27.	B
8.	C		28.	C
9.	D		29.	B
10.	B		30.	A
11.	B		31.	D
12.	D		32.	B
13.	C		33.	C
14.	B		34.	D
15.	A		35.	A
16.	B		36.	C
17.	A		37.	D
18.	C		38.	B
19.	D		39.	A
20.	A		40.	B

THE VIRTUAL MEET EXPERIENCE

PRESENTS

2023-2024

Middle School

Virtual Challenge Meet #3

Social Studies 7th/8th

DO NOT OPEN TEST UNTIL TOLD TO DO SO

2023-2024
Middle School Virtual Challenge Meet #3
7th/8th Grade Social Studies

1. Who can call a special legislative session under the Texas Constitution of 1876?

   A. Chief Justice
   B. Attorney General

   C. Lieutenant Governor
   D. Governor

2. Article V of the Texas Constitution of 1876 gives the state Supreme Court what type of jurisdiction?

   A. Original
   B. Appellate

   C. Concurrent
   D. Exclusive

3. Which of the following is included in the Fifth Amendment to the U.S. Constitution?

   A. Right to bear arms
   B. Powers reserved for the States
   C. Protections against self-incrimination
   D. Restrictions on cruel and unusual punishments

   - The President may veto legislation.
   - Congress may override a veto with 2/3rds vote.
   - The Supreme Court may deem laws unconstitutional.

4. The list above are examples of what?

   A. Checks and balances
   B. Separation of powers

   C. Limited government
   D. Federalism

5. What is the length of a term for a Texas state senator?

   A. 2 years
   B. 3 years

   C. 4 years
   D. 6 years

6. Which of the following is a power granted to the U.S. House of Representatives specifically?

    A. Power to ratify treaties
    B. Power to impeach
    C. Power to veto laws
    D. Power to approve appointments

7. What is the name of the treaty that ended the Texas Revolution?

    A. Treaty of Paris   **C.** Treaty of Guadalupe Hidalgo
    B. Treaty of Versailles   **D.** Treaty of Velasco

8. The image above of a blue flag with a yellow star is the original Republic of Texas flag from 1836-1839. What is it called?

    A. Lone star flag   **C.** Bluebonnet flag
    B. Burnet flag   **D.** Sixth flag

9. Which U.S. President signed the bill to approve Texas to join the United States?

    A. Thomas Jefferson   **C.** John Tyler
    B. Andrew Jackson   **D.** Zachary Taylor

10. The Compromise of 1850 granted what to Texas?

    A. Debts to be absorbed by the U.S.
    B. Right to become a slave state
    C. Additional territory from Louisiana
    D. Water rights from the Red River

11. Who served as the President of the Constitutional Convention?

    A. Alexander Hamilton   **C.** George Washington
    B. Benjamin Franklin   **D.** James Madison

12. What problem did the Great Compromise address at the Constitutional Convention?

    A. Counting population for taxation
    B. Representation in Congress
    C. Limits on Presidential powers
    D. Reserved rights for the states

13. Many European countries granted Texas official recognition after it declared independence. Which granted an embassy in their capital city?

    A. Madrid   **C.** London
    B. Paris   **D.** Munich

14. Which Texas president started using public lands to charter colleges?

    A. Sam Houston   **C.** David Burnet
    B. Mirabeau Lamar   **D.** Anson Jones

15. Who is the current Speaker of the House for Texas?

    A. Dade Phelan   **C.** Joe Strauss
    B. Dan Patrick   **D.** Beto O'Rourke

Wayne Christian
James Wright
Christi Craddock

16. The people listed above hold what position in the Texas government?

    A. House Representatives   **C.** Cabinet Members
    B. Supreme Court Justices   **D.** Railroad Commissioners

17. Based on the Texas Constitution of 1836, what power does the Senate have?

    A. Power to ratify treaties   **C.** Power to declare war

    B. Power to lead military   **D.** Power to impose taxes

18. The president of Texas was the commander in chief of the military based on which article of the Texas Constitution of 1836?

    A. Article 3   **C.** Article 5

    B. Article 4   **D.** Article 6

19. Article II, Section 7 of the Texas Constitution of 1836 states that Congress may _____.

    A. Pass all excise taxes

    B. Pass laws needed to create banks

    C. Pass any law deemed necessary and proper

    D. Pass ex post facto laws

20. Which of the following features is most similar between the U.S. Constitution and the Texas Constitution?

    A. Preamble   **C.** Articles

    B. Branches of government   **D.** Amendments

21. If a vacancy occurs within state or district offices, who can appoint a replacement?

    A. Lieutenant governor   **C.** Attorney General

    B. Speaker of the house   **D.** Governor

22. Since 1876, approximately how many amendments have been added to the Texas Constitution?

    A. Under 100   **C.** About 500

    B. Between 200 and 300   **D.** Over 700

23. According to Section 18 of the Texas Bill of Rights, a person cannot be imprisoned for--

    A. Debt   **C.** Truancy

    B. Speech   **D.** Writings

24. "Specific duties assigned to each branch," describes which key principle of the U.S. government?

    A. Checks and balances   **C.** Popular sovereignty

    B. Separation of powers   **D.** Federalism

25. Which of the following quotes are from the U.S. Declaration of Independence?

    A. "They are endowed by the Creator with certain unalienable rights that among these are the right to life, liberty, and the pursuit of happiness."

    B. "All persons born or naturalized in the United States are citizens of the United States."

    C. "No soldier shall, in time of peace, be cornered in any house, without the consent of the owner."

    D. "Congress shall make no law respecting an establishment of religion or prohibiting the free exercise thereof."

26. Where was the Constitutional Convention held in 1787?

    A. New York City   **C.** Philadelphia

    B. Boston   **D.** Charleston

27. "A theory of governance in which the government only has those powers delegated to it by law." What does this describe?

    A. Unlimited government   **C.** Limited government

    B. Dictatorship   **D.** Monarchy

28. Which of the following is a current U.S. Senator for Texas?

    A. Kamala Harris   **C.** Beto O'Rourke

    B. Greg Abbott   **D.** John Cornyn

29. Who was counted for taxation and representation purposes as part of the Three-Fifths Compromise?

    A. Enslaved persons   **C.** Children

    B. Native Americans   **D.** Women

30. "Having well informed voters" is a phrase that best relates to which freedom in the Bill of Rights?

A. Right to attorney   C. Freedom of religion
B. Freedom of press   D. Right to bear arms

31. Which of the following countries is an example of an unlimited government?

A. Germany   C. Canada
B. North Korea   D. Japan

32. Which of the following was a right protected by the First Amendment of the United States?

A. Right to a trial by jury
B. Protection from cruel and unusual punishments
C. Protection from illegal search and seizures
D. Right to practice religion

33. According to the Texas Bill of Rights, what shall never be suspended?

A. Right to assembly   C. Habeas corpus
B. Freedom of speech   D. Freedom of religion

34. In the Texas Constitution of 1876, what article includes the Bill of Rights?

A. Article I   C. Article VI
B. Article IV   D. Article X

35. Which of the following is a responsibility of a citizen?

A. Obey the laws   C. Participate in the community
B. Pay due taxes   D. All of the above

36. Which of the following are examples of government institutions?

A. Stock exchange   C. Temples
B. Fire departments   D. Colleges

37. Which of the following is part of the Sixth Amendment of the United States Constitution?

    A. Right to a speedy and public trial
    B. Right to not quarter troops
    C. Right to petition the government
    D. Right to peaceably assemble

38. Which of the following is included in the Eighth Amendment to the United States?

    A. In Suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved.
    B. The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.
    C. Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.
    D. The powers not delegated to the United States by the Constitution, nor prohibited by it to the States, are reserved to the States respectively, or to the people.

39. What is a qualification for a justice of the Texas Supreme Court?

    A. Be at least 30 years old and be a practicing lawyer for 7 years
    B. Be at least 21 years old and be a practice lawyer for 1 year
    C. Be at least 35 years old and be a practicing judge
    D. No qualifications

40. What is the duty of the Supreme Court under the Texas Constitution of 1876?

    A. Write and pass laws   **C.** Monitor elections
    B. Enforce and implement laws   **D.** Interpret and review laws

2023-2024
Middle School Virtual Challenge Meet #3
7th/8th Grade Social Studies
Contestant Answer Sheet

CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

Contestant _____ **School** _____ **Grade** _____

1.	A	B	C	D		21.	A	B	C	D
2.	A	B	C	D		22.	A	B	C	D
3.	A	B	C	D		23.	A	B	C	D
4.	A	B	C	D		24.	A	B	C	D
5.	A	B	C	D		25.	A	B	C	D
6.	A	B	C	D		26.	A	B	C	D
7.	A	B	C	D		27.	A	B	C	D
8.	A	B	C	D		28.	A	B	C	D
9.	A	B	C	D		29.	A	B	C	D
10.	A	B	C	D		30.	A	B	C	D
11.	A	B	C	D		31.	A	B	C	D
12.	A	B	C	D		32.	A	B	C	D
13.	A	B	C	D		33.	A	B	C	D
14.	A	B	C	D		34.	A	B	C	D
15.	A	B	C	D		35.	A	B	C	D
16.	A	B	C	D		36.	A	B	C	D
17.	A	B	C	D		37.	A	B	C	D
18.	A	B	C	D		38.	A	B	C	D
19.	A	B	C	D		39.	A	B	C	D
20.	A	B	C	D		40.	A	B	C	D

2023-2024
Middle School Virtual Challenge Meet #3
7th/8th Grade Social Studies -- ANSWER KEY
CORRECT ANSWER = 3 PTS, INCORRECT ANSWER = (-2) PTS, NO PENALTY FOR LEAVING BLANK

1.	D		21.	D
2.	B		22.	D
3.	C		23.	A
4.	A		24.	B
5.	C		25.	A
6.	B		26.	C
7.	D		27.	C
8.	B		28.	D
9.	C		29.	A
10.	A		30.	B
11.	C		31.	B
12.	B		32.	D
13.	C		33.	C
14.	D		34.	A
15.	A		35.	D
16.	D		36.	B
17.	A		37.	A
18.	D		38.	C
19.	C		39.	A
20.	B		40.	D

2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

SPELLING – 3RD AND 4TH GRADE
PRONOUNCER/VERIFIER LIST

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PRONOUNCER: Pronounce the words at the approximate rate of five per minute. A time indication is given after every five words.

Definitions should be given by the pronouncer for words which are marked with an asterisk*. Abbreviated definitions are included for all words. Spaces are provided for sentences should you choose to use them; however, sentences are not required by UIL rules.

VERIFIER: Please listen carefully to make sure the words the pronouncer calls are clearly understood. Definitions should be given by the pronouncer for words which are marked with an asterisk*. If there are words which should be pronounced again, notify the pronouncer after all the words have been called. Do not interrupt the pronouncer.

1.   **frail** - weak and feeble

    Sentence_____

2.   **red-hot** - glowing with heat

    Sentence_____

3.   **impolite** - rude

    Sentence_____

4.   **laborer** - a person who works

    Sentence_____

5.   **shepherd** - n. a person who tends to a type of grazing livestock; a type of dog | v. to guide or care for

    Sentence_____

1 minute

6.   **phonetic** - having to do with speech sounds; a symbol or character representing a speech sound

    Sentence_____

7.   **extinct** - not active any longer; completely wiped out

    Sentence_____

8.   **hypnotic** - likely to cause sleep; having to do with a state in which a person seems to be asleep but isn't; something such as a drug that can cause sleep

    Sentence_____

9.   **meteor** - a small body of matter in the atmosphere sometimes described as a falling star or a shooting star

    Sentence_____

10.   **drearier** - more dismal or gloomy

    Sentence_____

2 minutes

11.   locale - a place or area of an event

Sentence_____

12.   genuine - real or authentic

Sentence_____

13.   cyclone - a kind of storm

Sentence_____

14.   peasant - a farm laborer or farmer; a commoner

Sentence_____

15.   galactic - of or relating to large groups of stars and matter in the universe

Sentence_____

3 minutes

16.   recipe - a list of items and instructions to make something, usually food

Sentence_____

17.   category - kind, sort, or class

Sentence_____

18.   majestic - stately or grand

Sentence_____

19.   criminal - one who has violated the law

Sentence_____

20.   misjudge - to reach an incorrect opinion or calculation

Sentence_____

4 minutes

21.   **pastel** - a soft, light color

Sentence_____

22.   **grieve** - to distress; to feel sorrow

Sentence_____

23.   **regional** - having to do with a certain area

Sentence_____

24.   **numbness** - the state or condition of lacking feeling; the state or condition of lacking emotion

Sentence_____

25.   **enough** - (adj.) sufficient | (adv.) sufficiently | (n.) a sufficient amount or quantity

Sentence_____

5 minutes

26.   **imagery** - pictures; figurative language

Sentence_____

27.   **allusion** - a reference to something; an inference

Sentence_____

28.   **mechanic** - one who repairs vehicles or other such devices

Sentence_____

29.   **lyric** - (n.) a kind of poem | (adj.) songlike; revealing how the writer feels rather than telling a story

Sentence_____

30.   **anthem** - a kind of song

Sentence_____

6 minutes

31.   **knitwear** - garments made by intertwining yarn or thread into a series of loops which are connected

Sentence_____

32.   **fragrant** - having a sweet smell

Sentence_____

33.   **route** - (n.) a path or direction; a course of action | (v.) to send in or on a certain direction or course

Sentence_____

34.   **xenon** - a gaseous element

Sentence_____

35.   ***bruise** - an injury

Sentence_____

<div align="center">**7 minutes**</div>

36.   **confidence** - faith; trust; certainty; belief in oneself; a secret

Sentence_____

37.   **temperature** - a measurement of the hotness or coldness of a substance

Sentence_____

38.   **priest** - a person who conducts religious services and ceremonies

Sentence_____

39.   **museum** - a place where historical items are collected and displayed

Sentence_____

40.   **agency** - a means through which something is achieved; a firm or business; a section of a government that handles certain business

Sentence_____

<div align="center">**8 minutes**</div>

41. **European** - a person who was born or lives in a continent on the eastern side of the Atlantic

Sentence_____

42. **manual** - n. a book with information or instructions | adj. relating to something done without a device

Sentence_____

43. **unfasten** - to detach or make loose

Sentence_____

44. **almanac** - a kind of book which has a calendar and information about the seasons, etc.

Sentence_____

45. **cemetery** - a graveyard

Sentence_____

<div align="center">**9 minutes**</div>

46. **nectar** - a sweet liquid derived from plants

Sentence_____

47. **luncheon** - a midday meal

Sentence_____

48. **reindeer** - a kind of animal

Sentence_____

49. **quench** - to put out; to stop or bring to a close; to satisfy

Sentence_____

50. **leopard** - a cat that is also called a panther

Sentence_____

<div align="center">**10 minutes**</div>

1. **detour** - (n.) the act of moving away from or around a regular method or path | (v.) to move away from or go around a regular method or path

Sentence_____

2. ***bizarre** - odd

Sentence_____

3. **special** - unique; unusually better in some way; designed for a certain purpose

Sentence_____

4. **homestead** - a dwelling with surrounding lands

Sentence_____

5. **nourishing** - such that it provides sustenance

Sentence_____

1 minute

6. **scholar** - a student; an educated person

Sentence_____

7. **insect** - a small animal; a bug

Sentence_____

8. **eavesdrop** - to listen secretly to someone's conversation

Sentence_____

9. **ostrich** - a kind of bird; a person who refuses to acknowledge something that might cause danger

Sentence_____

10. **ulcer** - a kind of sore

Sentence_____

2 minutes

11.   **gullible** - easily deceived

Sentence_____

12.   **sausage** - a food often served with breakfast

Sentence_____

13.   **porpoise** - a type of small whale

Sentence_____

14.   **joyful** - happy

Sentence_____

15.   **trivial** - insignificant; not important

Sentence_____

3 minutes

TEST GRADER'S KEY   **3rd & 4th Grade**

1. frail
2. red-hot
3. impolite
4. laborer
5. shepherd
6. phonetic
7. extinct
8. hypnotic
9. meteor
10. drearier
11. locale
12. genuine
13. cyclone
14. peasant
15. galactic

16. recipe
17. category
18. majestic
19. criminal
20. misjudge
21. pastel
22. grieve
23. regional
24. numbness
25. enough
26. imagery
27. allusion
28. mechanic
29. lyric
30. anthem

31. knitwear

32. fragrant

33. route

34. xenon

35. bruise

36. confidence

37. temperature

38. priest

39. museum

40. agency

41. European

42. manual

43. unfasten

44. almanac

45. cemetery

46. nectar

47. luncheon

48. reindeer

49. quench

50. leopard

TIE BREAKER GRADER'S KEY   **3rd & 4th Grade**

1.   detour

2.   bizarre

3.   special

4.   homestead

5.   nourishing

6.   scholar

7.   insect

8.   eavesdrop

9.   ostrich

10.   ulcer

11.   gullible

12.   sausage

13.   porpoise

14.   joyful

15.   trivial

MS VCM - 3RD/4TH SPELLING - ANSWER PAGE   STUDENT _____

1. _____

2. _____

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MS VCM - 3RD/4TH SPELLING - ANSWER PAGE   STUDENT _____

31. _____   46. _____

32. _____   47. _____

33. _____   48. _____

34. _____   49. _____

35. _____   50. _____

36. _____

37. _____

38. _____

39. _____

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43. _____

44. _____

45. _____

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MS VCM - 3RD/4TH SPELLING - <u>TIE BREAKER</u> - ANSWER PAGE

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12. _____

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14. _____

15. _____

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2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

SPELLING - 5TH AND 6TH GRADE
PRONOUNCER/VERIFIER LIST

PRONOUNCER: Pronounce the words at the approximate rate of five per minute. A time indication is given after every five words.

Definitions should be given by the pronouncer for words which are marked with an asterisk*. Abbreviated definitions are included for all words. Spaces are provided for sentences should you choose to use them; however, sentences are not required by UIL rules.

VERIFIER: Please listen carefully to make sure the words the pronouncer calls are clearly understood. Definitions should be given by the pronouncer for words which are marked with an asterisk*. If there are words which should be pronounced again, notify the pronouncer after all the words have been called. Do not interrupt the pronouncer.

1.   **diligence** - industriousness

   Sentence_____

2.   **reservation** - an agreement with something such as an airline or a motel to hold a seat or room for a person; an area which is set aside for specific use

   Sentence_____

3.   **tone-deaf** - not able to hear small differences in pitch

   Sentence_____

4.   **daffodil** - a kind of flower

   Sentence_____

5.   **legitimate** - (adj.) lawful | (v.) to make lawful

   Sentence_____

<div align="center">

1 minute

</div>

6.   **knowledge** - scholarship or learning

   Sentence_____

7.   **possibly** - perhaps

   Sentence_____

8.   **sensitive** - delicate; easily upset

   Sentence_____

9.   **brochure** - a kind of pamphlet which details items that are for sale

   Sentence_____

10.   **quadrant** - an arc of ninety degrees; one of four equal parts

   Sentence_____

<div align="center">

2 minutes

</div>

11. **unfamiliar** - not known

Sentence_____

12. **saturate** - (v.) to soak thoroughly | (adj.) soaked

Sentence_____

13. **meadowlark** - a kind of songbird

Sentence_____

14. **extinguish** - to cause to stop burning

Sentence_____

15. **offspring** - the young produced by living things

Sentence_____

3 minutes

16. **newsreel** - a usually short account of current events presented in a movie theater

Sentence_____

17. **external** - having to do with the outside

Sentence_____

18. **megapixel** - one million units or elements that comprise an image

Sentence_____

19. **quorum** - the number of members required to be in attendance for the business of a group to be conducted

Sentence_____

20. **opponent** - a foe or rival

Sentence_____

4 minutes

21. **sapphire** - (n.) a very hard mineral used as a gemstone; a blue color | (adj.) like such a gemstone; having the blue color of such a gemstone

     Sentence_____

22. **vogue** - style, look, being popular

     Sentence_____

23. **dictionary** - a book which has meanings of words

     Sentence_____

24. **valiant** - (adj.) brave or courageous | (n.) a person who is brave or courageous

     Sentence_____

25. **unyielding** - hard; firm and not submissive

     Sentence_____

5 minutes

26. **Navajo, Navaho** - a Native American people; a member or the language of this people

     Sentence_____

27. **southerly** - in direction that is opposite of north

     Sentence_____

28. **unitary** - related to a singular quantity

     Sentence_____

29. **sarcastic** - in a mocking or derisive manner

     Sentence_____

30. **graphite** - a form of black carbon that is soft and shiny

     Sentence_____

6 minutes

31. **magnitude** - greatness or bigness; importance

Sentence_____

32. **insincere** - not trustworthy or straightforward

Sentence_____

33. **utterance** - a written or spoken statement; the act of speaking; the style or manner of speaking

Sentence_____

34. **lignite** - a kind of coal

Sentence_____

35. **optical** - relating to vision; having to do with or using light

Sentence_____

7 minutes

36. **intricate** - complex

Sentence_____

37. **intuition** - a sixth sense; a foreboding

Sentence_____

38. **quadrillion** - a very large number

Sentence_____

39. **truism** - something that is obviously genuine or factual

Sentence_____

40. **liable** - compelled by legal statutes to make something right; unprotected; exposed or subject to something

Sentence_____

8 minutes

41.   **overcome** - to acquire an advantage; to make powerless or weakened

Sentence_____

42.   **yachting** - to sail, race, or cruise in a small ship

Sentence_____

43.   **imbalance** - a state existing when things are out of proportion or are unequal

Sentence_____

44.   **treatment** - the act of administering care or offering a course of action; substance used for a desired result

Sentence_____

45.   **frustrated** - (adj.) unfulfilled; thwarted | (v.) to have prevented someone from a completing a goal or purpose

Sentence_____

<div align="center">**9 minutes**</div>

46.   **tentative** - not worked out fully; hesitant

Sentence_____

47.   **mockery** - speech or action which tends to be scornful; an imitation which is poorly done

Sentence_____

48.   **narrate** - to tell

Sentence_____

49.   **appreciate** - to be thankful for; to see the value of; to rise in value

Sentence_____

50.   **nautical** - having to do with sailors, sailing, or ships

Sentence_____

<div align="center">**10 minutes**</div>

51. **condolence** - pity; words of pity

Sentence_____

52. **vertical** - upright; perpendicular to the ground

Sentence_____

53. **elusive** - difficult to find or capture; hard to understand

Sentence_____

54. **gangrene** - (n.) the death of bodily tissue | (v.) to decay or die (used of bodily tissue)

Sentence_____

55. **omitting** - to have left out

Sentence_____

11 minutes

56. **hand-me-down** - something that has been worn or used and passed on to another

Sentence_____

57. **preceptor** - a teacher

Sentence_____

58. **magnificent** - very beautiful; noble or grand

Sentence_____

59. **grimace** - a contortion of the features, as in a frown

Sentence_____

60. **synthesis** - the joining of parts resulting in a whole; the resulting product

Sentence_____

12 minutes

61.   **ballet** - a kind of dance; the performers of that dance

Sentence_____

62.   **vintage** - wine or grapes in a growing season; an era in which something was produced

Sentence_____

63.   **flamingo** - a kind of bird; Color. a color that is reddish-orange

Sentence_____

64.   **aggravate** - to repeatedly bother; to make something worse

Sentence_____

65.   **laconic** - using only a few words

Sentence_____

13 minutes

66.   **genteel** - aristocratic or of noble birth; refined or elegant; well-mannered

Sentence_____

67.   **December** - the last month of the year

Sentence_____

68.   **engraving** - a print etched on a surface; to etch

Sentence_____

69.   **parcel** - a wrapped package; a tract of land; a portion

Sentence_____

70.   **toxin** - a poisonous substance

Sentence_____

14 minutes

71. **jollity** - merriment

Sentence_____

72. **manuscript** - a composition which is handwritten or typed

Sentence_____

73. **brigade** - a group of soldiers; a group of people who organize and work together

Sentence_____

74. **scrimmage** - (n.) a skirmish; a play in a football game; a practice game | (v.) to participate in such an activity

Sentence_____

75. **fraternal** - having to do with brothers; having to do with a brotherhood; kind

Sentence_____

15 minutes

76. **rueful** - wretched; filled with sorrow

Sentence_____

77. ***bologna** - a kind of lunch meat

Sentence_____

78. **diabetic** - (adj.) relating to a certain disease | (n.) a person who has that disease

Sentence_____

79. **artichoke** - a kind of plant, the head of which is eaten as a vegetable

Sentence_____

80. **grantee** - one who has received an award or gift

Sentence_____

16 minutes

1. **devious** - sly or sneaky; erring; roundabout or indirect; distant

    Sentence_____

2. **opal** - an inorganic substance used as a gem

    Sentence_____

3. **niche** - an alcove where a statue might be placed; a kind of work or activity which suits a person

    Sentence_____

4. **casualty** - an accident; a person injured seriously or killed in an accident; someone captured or killed in a military action; someone or something harmed as a result of circumstances

    Sentence_____

5. **scholastic** - related to educational institutions or students

    Sentence_____

1 minute

6. **heirloom** - a keepsake

    Sentence_____

7. **escalator** - a stairway which moves

    Sentence_____

8. **Jurassic** - (adj.) having to do with a period of history | (n.) a certain period of history

    Sentence_____

9. **rhinestone** - an artificial gem which is designed to look like a diamond

    Sentence_____

10. **obelisk** - a pillar with four sides that gradually narrows toward the top and is capped with a pyramid

    Sentence_____

2 minutes

11. **illuminate** - to light up; to explain

Sentence_____

12. **fierceness** - the state of being intense and aggressive

Sentence_____

13. **Olympics** - a series of games held every four years and attended by athletes from all across the world

Sentence_____

14. **verdant** - such that green plants grow in the area; Color. green

Sentence_____

15. **inhumane** - without sympathy, pity, or consideration

Sentence_____

<div align="center">**3 minutes**</div>

16. **fatigue** - (n.) weariness; a kind of soldier's uniform | (v.) to tire or become tired

Sentence_____

17. **outrageous** - shocking; disgraceful; unconventional

Sentence_____

18. **hearse** - a vehicle used to transport the dead to a cemetery

Sentence_____

19. **emissary** - an agent, envoy, or a diplomat

Sentence_____

20. **latish** - somewhat tardy

Sentence_____

<div align="center">**4 minutes**</div>

TEST GRADER'S KEY

5th & 6th Grade

1. diligence
2. reservation
3. tone-deaf
4. daffodil
5. legitimate
6. knowledge
7. possibly
8. sensitive
9. brochure
10. quadrant
11. unfamiliar
12. saturate
13. meadowlark
14. extinguish
15. offspring
16. newsreel
17. external
18. megapixel
19. quorum
20. opponent
21. sapphire
22. vogue
23. dictionary
24. valiant
25. unyielding
26. Navajo, Navaho
27. southerly
28. unitary
29. sarcastic
30. graphite

31.	magnitude	46.	tentative
32.	insincere	47.	mockery
33.	utterance	48.	narrate
34.	lignite	49.	appreciate
35.	optical	50.	nautical
36.	intricate	51.	condolence
37.	intuition	52.	vertical
38.	quadrillion	53.	elusive
39.	truism	54.	gangrene
40.	liable	55.	omitting
41.	overcome	56.	hand-me-down
42.	yachting	57.	preceptor
43.	imbalance	58.	magnificent
44.	treatment	59.	grimace
45.	frustrated	60.	synthesis

61.   ballet

62.   vintage

63.   flamingo

64.   aggravate

65.   laconic

66.   genteel

67.   December

68.   engraving

69.   parcel

70.   toxin

71.   jollity

72.   manuscript

73.   brigade

74.   scrimmage

75.   fraternal

76.   rueful

77.   bologna

78.   diabetic

79.   artichoke

80.   grantee

TIE BREAKER GRADER'S KEY   5th & 6th Grade

1. devious
2. opal
3. niche
4. casualty
5. scholastic
6. heirloom
7. escalator
8. Jurassic
9. rhinestone
10. obelisk
11. illuminate
12. fierceness
13. Olympics
14. verdant
15. inhumane

16. fatigue
17. outrageous
18. hearse
19. emissary
20. latish

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TEST ANSWER PAGE 2

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MS VCM - 5TH/6TH SPELLING - <u>TIE BREAKER</u> - ANSWER PAGE

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2023-2024
MIDDLE SCHOOL
VIRTUAL CHALLENGE MEET #3

SPELLING - 7TH AND 8TH GRADE
PRONOUNCER/VERIFIER LIST

PRONOUNCER: Pronounce the words at the approximate rate of five per minute. A time indication is given after every five words.

Definitions should be given by the pronouncer for words which are marked with an asterisk*. Abbreviated definitions are included for all words. Spaces are provided for sentences should you choose to use them; however, sentences are not required by UIL rules.

VERIFIER: Please listen carefully to make sure the words the pronouncer calls are clearly understood. Definitions should be given by the pronouncer for words which are marked with an asterisk*. If there are words which should be pronounced again, notify the pronouncer after all the words have been called. Do not interrupt the pronouncer.

1. **pathogenic** - that which can cause disease

   Sentence_____

2. **gigabyte** - Computer Science. a measure of a unit of information

   Sentence_____

3. **unappeasable** - not to be soothed or pacified

   Sentence_____

4. **arboretum** - a place where plants are grown

   Sentence_____

5. **vaudeville** - a kind of entertainment

   Sentence_____

1 minute

6. **authenticate** - to certify or assure that something is genuine

   Sentence_____

7. **grandiloquence** - bombast or lofty language

   Sentence_____

8. **incapacitate** - to weaken

   Sentence_____

9. **hereditary** - genetically passed from parent to offspring

   Sentence_____

10. **achievement** - the act of attaining success

    Sentence_____

2 minutes

11. **vehemence** - the quality or state of being forceful, energetic, or emotional

Sentence_____

12. **onyx** - a kind of quartz used as a gemstone

Sentence_____

13. **detonation** - the act of blowing up or exploding; the exploding itself

Sentence_____

14. **phooey** - a word usually uttered to express one's disgust or disapproval

Sentence_____

15. **loiter** - to tarry or stand around idly

Sentence_____

3 minutes

16. **indubitable** - such that it cannot be doubted or questioned

Sentence_____

17. **vociferous** - noisy; strident

Sentence_____

18. **synchronous** - contemporary; moving or operating exactly together; having the exact same periods

Sentence_____

19. **x-intercept** - a graphing point

Sentence_____

20. **nuance** - a gradation or slight difference; a shade

Sentence_____

4 minutes

21.   **commiserate** - to feel or show sympathy

Sentence_____

22.   **inclement** - stormy

Sentence_____

23.   **obdurate** - hardhearted; unyielding or stubborn

Sentence_____

24.   **millennium** - a period of one thousand years

Sentence_____

25.   **acrylic** - a synthetic fiber usually used in paints that can dry quickly

Sentence_____

5 minutes

26.   **togetherness** - the act or state of being in a group

Sentence_____

27.   **parenthesis** - (singular) a punctuation mark

Sentence_____

28.   **metronome** - Music. a device that helps a musician keep time

Sentence_____

29.   **kiva** - a ceremonial structure used by Pueblo Indians that is usually round and partially underground

Sentence_____

30.   **spherical** - shaped like a globe

Sentence_____

6 minutes

31. **harbinger** - (n.) a herald or portent | (v.) to presage or signal

Sentence_____

32. **adjudicate** - Law. to hear and settle a case following standard legal procedure; to study and then settle a dispute

Sentence_____

33. **philosophical** - based on specific principles of some person or group; calm and sensible when facing trouble

Sentence_____

34. **universal donor** - a person with O blood type

Sentence_____

35. **clavichord** - a kind of musical instrument

Sentence_____

7 minutes

36. **hypochondriac** - a person who suffers from depression and often believes that he/she is ill

Sentence_____

37. ***louse** - a kind of insect

Sentence_____

38. **gelatinous** - like jelly; having to do with a substance which is like jelly

Sentence_____

39. **ungracious** - rude; disagreeable

Sentence_____

40. **benefactress** - a woman who helps others especially by giving money

Sentence_____

8 minutes

41.   **uncommitted** - not bound to a plan of action or particular cause

Sentence_____

42.   **flange** - a kind of rim or ridge

Sentence_____

43.   **affordable** - reasonably priced

Sentence_____

44.   **stethoscope** - a device a doctor uses

Sentence_____

45.   **telecommute** - to work online from home

Sentence_____

9 minutes

46.   **boysenberry** - a kind of fruit

Sentence_____

47.   **feminism** - belief in the equality of men and women; a movement which resulted from this belief

Sentence_____

48.   ***minstrel** - a kind of singer; a poet

Sentence_____

49.   **killdeer** - a shorebird

Sentence_____

50.   **contentious** - likely to argue

Sentence_____

10 minutes

51. **gubernatorial** - related to the chief elected official of a state

Sentence_____

52. **credentials** - papers showing a person's qualifications, etc.

Sentence_____

53. **infantile** - having to do with or like a newborn; childish

Sentence_____

54. **presumptuous** - overly forward

Sentence_____

55. **melodramatic** - being like a play or film that has exaggerated emotions or excitement; very sentimental; characterized by sentiment that is not genuine

Sentence_____

11 minutes

56. **free enterprise** - allowing business to function with little regulation from the government

Sentence_____

57. **nickelodeon** - a kind of movie theater from years past; a jukebox

Sentence_____

58. **bibliography** - a list of sources about a subject or a list of sources used in writing a paper

Sentence_____

59. **obediently** - following commands or guidance in a willing manner

Sentence_____

60. **microscopy** - the study of optical instruments that magnify images; the use of such instruments; investigation using such an instrument

Sentence_____

12 minutes

61.   **emphatic** - stressed or accentuated; striking or impressive

Sentence_____

62.   **bilateral** - two-sided; affecting equally two sides; requiring two sides or two entities to comply

Sentence_____

63.   **saurian** - (n.) a kind of reptile | (adj.) having to do with or like such reptiles

Sentence_____

64.   **Roman candle** - a kind of firework

Sentence_____

65.   **susceptible** - open to, disposed to, or prone to; easily deceived

Sentence_____

<div align="center">

13 minutes

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66.   **flautist** - Music. a person who plays a certain musical instrument

Sentence_____

67.   **pestilent** - deadly; pernicious; infectious

Sentence_____

68.   **flotsam** - something such as cargo that remains in the water after a shipwreck; debris on the water; something that has been discarded; people who are destitute

Sentence_____

69.   **open-minded** - willing to listen to ideas or arguments

Sentence_____

70.   **misinterpret** - to explain or understand incorrectly

Sentence_____

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14 minutes

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71. **repertoire** - a list of plays, operas or songs that a person or group is prepared to perform; the skills a person might possess for a particular field of endeavor

Sentence_____

72. **opaqueness** - the condition of not being transparent; the condition of being difficult to understand

Sentence_____

73. **deplete** - to drain; to use up

Sentence_____

74. **murmur** - (n.) a whisper or grumble; a sound indicating that the heart is not functioning properly | (v.) to make a whispering or grumbling sound; to speak in such a low voice that the words cannot be heard clearly

Sentence_____

75. **adequacy** - the state or condition of being sufficient

Sentence_____

15 minutes

76. **homeostasis** - the tendency to adjust physiological processes in order to maintain stability

Sentence_____

77. **lingerie** - women's undergarments

Sentence_____

78. **aromatic** - having a very pleasant smell

Sentence_____

79. **correspond** - to be alike in nature; to match; to exchange letters

Sentence_____

80. **forsooth** - truly; indeed

Sentence_____

16 minutes

81.   **tubercle** - a lump or an outgrowth

Sentence_____

82.   **aggregate** - (adj.) total; Botany. massed into a cluster that is dense; made up of a mixture of minerals | (n.) gross; totality; mineral materials which are used in making concrete | (v.) to gather into a whole; to total

Sentence_____

83.   **rampart** - a protective barrier

Sentence_____

84.   **vellum** - material used for writing on or for binding books; paper that resembles such material

Sentence_____

85.   **Doppler radar** - a system used to measure speed

Sentence_____

17 minutes

86.   **inertia** - being idle or sluggish

Sentence_____

87.   **salamander** - a type of amphibian

Sentence_____

88.   **discerning** - astute

Sentence_____

89.   **elliptic** - having an oval shape; having to do with the omission of words that are not necessary for understanding

Sentence_____

90.   **vinyl** - a compound often used in making clothing or coverings

Sentence_____

18 minutes

91.   **pinafore** - a garment worn usually by children

Sentence_____

92.   **vindictive** - spiteful

Sentence_____

93.   **briny** - having to do with salt water

Sentence_____

94.   **ricochet** - (n.) a glancing or bouncing off something such as a bullet | (v.) to glance or bounce off

Sentence_____

95.   **Guernsey** - a breed of cattle

Sentence_____

19 minutes

96.   **igneous** - having to do with or characteristic of fire; Geology. (of rock) formed as a result of the hardening of melted earth; pyrogenic

Sentence_____

97.   **crustacean** - an aquatic arthropod such as a lobster

Sentence_____

98.   **monosyllabic** - having only one unit of language

Sentence_____

99.   **chlorophyll** - the matter in plants which causes them to be green in color

Sentence_____

100.   **garrison** - (n.) a post for army troops or the troops | (v.) to place troops at a military post

Sentence_____

20 minutes

101. **succotash** - a kind of stew

Sentence_____

102. **hysteria** - uncontrolled emotion or excitement; a psychological disorder involving excitability of emotions

Sentence_____

103. **statuette** - a small likeness of something

Sentence_____

104. **aerospace** - area extending beyond the Earth's atmosphere

Sentence_____

105. **wizardry** - magic; seemingly magic power

Sentence_____

21 minutes

106. **healthiness** - the condition of being well

Sentence_____

107. **origami** - the art, which began in Japan, of folding paper into shapes like leaves, flowers, etc.

Sentence_____

108. **centrifugal** - a movement or an action which is outward from the axis

Sentence_____

109. **lady-in-waiting** - a female attendant to a queen or princess

Sentence_____

110. **scholastic** - related to educational institutions or students

Sentence_____

22 minutes

1. **abeyance** - a suspension; Law. a situation in which ownership is undetermined

    Sentence_____

2. **junction** - the act of connecting or joining; the state of being connected or joined; the point where two or more things meet or connect

    Sentence_____

3. **pursue** - to follow; to aspire to or to seek; to proceed; to engage in something such as a course of study or a hobby; to chase

    Sentence_____

4. **truculent** - hostile and aggressive

    Sentence_____

5. **sesquicentennial** - a 150th celebration or anniversary

    Sentence_____

1 minute

6. **Canadian** - having to do with the country located just north of the United States; a person who lives in that country

    Sentence_____

7. **alleviate** - to ease or relieve

    Sentence_____

8. **emulsify** - to make into a mixture containing something such as oil and water which will not mix

    Sentence_____

9. **madrigal** - Music. a kind of vocal composition; a short poem which can be set to music

    Sentence_____

10. **valorous** - brave

    Sentence_____

2 minutes

11. **wickiup** - a frame hut used by some American Indians

Sentence_____

12. ***maize** - a tall annual grass also known as corn

Sentence_____

13. **surreptitious** - clandestine or stealthy; secret

Sentence_____

14. **malignant** - likely to do evil; pernicious; Pathology. life-threatening; cancerous (used of a tumor)

Sentence_____

15. **ostensible** - outward; apparent

Sentence_____

3 minutes

16. **cohesion** - the state of sticking or holding together

Sentence_____

17. **megahertz** - a unit of frequency

Sentence_____

18. **humanitarian** - a benefactor or philanthropist

Sentence_____

19. **reenact** - to do or to perform again

Sentence_____

20. **zeta** - the sixth letter of the Greek alphabet

Sentence_____

4 minutes

21. **backgammon** - a kind of game

Sentence_____

22. **receiver** - one who accepts something; a device that accepts wave transmission; the football player who catches passes

Sentence_____

23. **whodunit** - a play, movie, or book which tells a detective story

Sentence_____

24. **krypton** - a gaseous element

Sentence_____

25. **intercollegiate** - existing or occurring between schools of higher learning

Sentence_____

5 minutes

26. **glazier** - someone who puts the panes in the frames of windows

Sentence_____

27. **sentimental** - soft-hearted; melodramatic

Sentence_____

28. **insignia** - a badge

Sentence_____

29. **genuine** - real or authentic

Sentence_____

30. **secede** - to withdraw or break away from a group or organization

Sentence_____

6 minutes

TEST GRADER'S KEY

7th & 8th Grade

1. pathogenic
2. gigabyte
3. unappeasable
4. arboretum
5. vaudeville
6. authenticate
7. grandiloquence
8. incapacitate
9. hereditary
10. achievement
11. vehemence
12. onyx
13. detonation
14. phooey
15. loiter
16. indubitable
17. vociferous
18. synchronous
19. x-intercept
20. nuance
21. commiserate
22. inclement
23. obdurate
24. millennium
25. acrylic
26. togetherness
27. parenthesis
28. metronome
29. kiva
30. spherical

31.	harbinger	46.	boysenberry
32.	adjudicate	47.	feminism
33.	philosophical	48.	minstrel
34.	universal donor	49.	killdeer
35.	clavichord	50.	contentious
36.	hypochondriac	51.	gubernatorial
37.	louse	52.	credentials
38.	gelatinous	53.	infantile
39.	ungracious	54.	presumptuous
40.	benefactress	55.	melodramatic
41.	uncommitted	56.	free enterprise
42.	flange	57.	nickelodeon
43.	affordable	58.	bibliography
44.	stethoscope	59.	obediently
45.	telecommute	60.	microscopy

61. emphatic

62. bilateral

63. saurian

64. Roman candle

65. susceptible

66. flautist

67. pestilent

68. flotsam

69. open-minded

70. misinterpret

71. repertoire

72. opaqueness

73. deplete

74. murmur

75. adequacy

76. homeostasis

77. lingerie

78. aromatic

79. correspond

80. forsooth

81. tubercle

82. aggregate

83. rampart

84. vellum

85. Doppler radar

86. inertia

87. salamander

88. discerning

89. elliptic

90. vinyl

91. pinafore

92. vindictive

93. briny

94. ricochet

95. Guernsey

96. igneous

97. crustacean

98. monosyllabic

99. chlorophyll

100. garrison

101. succotash

102. hysteria

103. statuette

104. aerospace

105. wizardry

106. healthiness

107. origami

108. centrifugal

109. lady-in-waiting

110. scholastic

TIE BREAKER GRADER'S KEY   **7th & 8th Grade**

1. abeyance

2. junction

3. pursue

4. truculent

5. sesquicentennial

6. Canadian

7. alleviate

8. emulsify

9. madrigal

10. valorous

11. wickiup

12. maize

13. surreptitious

14. malignant

15. ostensible

16. cohesion

17. megahertz

18. humanitarian

19. reenact

20. zeta

21. backgammon

22. receiver

23. whodunit

24. krypton

25. intercollegiate

26. glazier

27. sentimental

28. insignia

29. genuine

30. secede

MS VCM - 7TH/8TH SPELLING - ANSWER PAGE   STUDENT _____

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TEST ANSWER PAGE 4   **STUDENT #_____**

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MS VCM - 7TH/8TH SPELLING - <u>TIE BREAKER</u> - ANSWER PAGE

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