

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and circle the correct answer.**

1. Evaluate the expression for $x = -2$:

$$\left| \frac{2}{3} - \frac{x^2 - 3}{x} - \frac{5}{x + x^2} \right|$$

- A. $1/2$
B. $-4/3$
C. $4/3$
D. $-1/2$
2. Translate the following word phrase into an expression.
seventeen added to three times the sum of a number, x , and five
- A. $3(x + 5) + 17$
B. $3 + x + 5 + 17$
C. $17 + 3x + 5$
D. $3x + 17 + 5$
3. What is the value of y ?

$$y + 8 - 11 = 17$$

- A. -2
B. 20
C. 46
D. -2

4. What is the value of y ?

$$\frac{y}{8} = 4$$

- A. 24
- B. 2
- C. 4
- D. 32

5. Solve for x .

$$(x + 18) - 27 = 6$$

- A. 6
- B. 21
- C. 11
- D. 15

6. Solve this system of equations.

$$\begin{aligned}x &= y + 2 \\ 2y - 3x &= 15\end{aligned}$$

- A. $x = 11, y = 9$
- B. $x = -7, y = -9$
- C. $x = 23, y = 21$
- D. $x = -19, y = -21$

7. What is the value of y ?

$$y = 6x$$

- A. $y = 1$
- B. $y = 0$
- C. $y = 6$
- D. Problem cannot be solved with the given information.

8. Solve for x.

$$4(2 - 3x) = 20$$

- A. $x = -144$
- B. $x = -336$
- C. $x = -7/3$
- D. $x = -1$

9. Choose the equation you could use to solve this problem.

Carla earns 50¢ more an hour than Calvin. Calvin earns twice as much as Jerry. Jerry earns \$6.50 an hour.

How much does Carla earn an hour?

- A. $n = (6.50 \div 2) - 0.50$
- B. $n = (2 \times 6.50) + 0.50$
- C. $n = (6.50 \div 2) + 0.50$
- D. $n = (2 \times 6.50) - 0.50$

10. What is another way to write:

$$5^3$$

- A. $3 \times 3 \times 3 \times 3 \times 3$
- B. 5×3
- C. 5×5
- D. $5 \times 5 \times 5$

11. Find the standard form for:

$$1.3 \times 10^6$$

- A. 1,300
- B. 13,000,000
- C. 1,300,000
- D. 130,000

12. Find the equivalent form.

$$1^9$$

- A. 9
- B. 10×9
- C. 0
- D. 1

13. Which of the following is true?

- A. $(5)^{-3} = -0.0008$
- B. $(5)^{-3} = 0.008$
- C. $(5)^{-3} = \frac{1}{25}$
- D. $(5)^{-3} = 0.25$

14. Simplify.

$$(-3a^4 b^6 c^3)^2$$

- | | |
|----|----------------------|
| A. | $6a^8 b^{12} c^6$ |
| B. | $9a^8 b^{12} c^6$ |
| C. | $9a^{16} b^{36} c^9$ |
| D. | $-6a^8 b^{12} c^6$ |

- A. A
- B. B
- C. C
- D. D

15. For $x = -10$, find $36 + x$.

- A. -26
- B. 26
- C. -46
- D. 46

16. Evaluate the expression for $y = -12$.

$$\frac{y}{4} - y$$

- A. 15
- B. -15
- C. 9
- D. -9

17. Simplify and evaluate the expression for $y = 0$, $z = -1.5$.

$$-0.8z + 0.005z(-0.001y - 3.1 + (-1.5z + 3))$$

- A. 1.216125
- B. 1.183875
- C. -1.36125
- D. -1.03875

18. Evaluate the expression for $m = 4$.

$$y = 14m$$

- A. 10
- B. 18
- C. 56
- D. 35

19. Olivia skates twice as far as Stephanie. This sum of their distances is 96 miles per month. How many miles per month does Stephanie skate?

- A. 32 miles
- B. 64 miles
- C. 48 miles
- D. 24 miles

20. Which mathematical expression represents the word expression?

19 decreased by some number

- A. $19 + n$
- B. $n - 19$
- C. $19 \div n$
- D. $19 - n$

21. Find the missing number.

2, 6, 10, 14, ?, 22

- A. 16
- B. 18
- C. 20
- D. 24

22. Sasha built a square sandbox with a perimeter of 20 feet. She has decided that she wants to rebuild the sandbox so that each side is 3 feet longer than the original sandbox. Before she buys the materials to build the new sandbox, she needs to know the perimeter. What is the perimeter of the new sandbox?

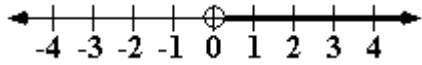
- A. 60 ft
- B. 26 ft
- C. 32 ft
- D. 23 ft

23. What is the value of n in the given statement?

$$8n < 40$$

- A. $n < 5$
- B. $n \leq 5$
- C. $n > 4$
- D. $n \geq 4$

24. Which equation best represents the graph?



A. $n > 0$

B. $n \geq 0$

C. $n \leq 1$

D. $n < 1$

25. Fill in the blank.

If $N + 71 = 376$, then N is _____.

A. 310

B. 306

C. 305

D. 71

26. Find the operational symbol.

$1,116 ? 18 = 62$

A. \times

B. $+$

C. $-$

D. \div

27. Ten times N is 7 less than X.

X is equal to 87.

What is the value of N?

- A. 87
- B. 80
- C. 8
- D. 8.7

28. The sum of two numbers is thirty. One number is five less than six times the other number. Find the numbers.

- A. $x = 25; y = 5$
- B. $x = 24.5; y = 5.5$
- C. $x = 14; y = 6$
- D. $x = 6.8; y = 23.2$

29. Add the quantity of six times a number decreased by fourteen to the quantity of three decreased by four-fifths of the same number.

- A. $\frac{26}{5}x - 11$
- B. $\frac{26}{5}x^2 - 11$
- C. $\frac{34}{5}x - 17$
- D. $\frac{34}{5}x^2 - 17$

30. Simplify.

$$\frac{18r^3 - 36r^2}{-18r^2}$$

- A. $-r^5 - 2r^4$
B. $-r + 2$
C. $-r^6 - 2$
D. $r - 2$

- A. A
B. B
C. C
D. D

31. Jerome is trying to work through this algebra problem for the third time. Choose the option that identifies where Jerome is making his error.

Jerome

1. $(6n - 4)^2$
2. $(6n - 4)(6n - 4)$
3. $36n^2 - 24n - 24n - 16$
4. $36n^2 - 48n - 16$

- A. He multiplied terms in the wrong order in step 2.
B. He didn't square the terms before combining them in step 2.
C. He didn't reduce his answer to its lowest terms in step 4.
D. He multiplied negative integers incorrectly in step 2.

32. Subtract the following.

$$(4x^3 + 2x^2 - 9x + 4) - (2x^3 - 4x^2 - 3) - (6x + 2)$$

- A. $2x^3 - 2x^2 - 15x + 5$
B. $2x^3 - 2x^2 + 3x - 1$
C. $2x^3 + 6x^2 - 15x + 5$
D. $2x^3 + 6x^2 + 3x + 3$

33. Which answer best completes the number sentence?

$$\left(\frac{2}{3} + 1\right) ? = 1$$

A. $\times \left(1 \div \frac{2}{3}\right)$

B. $\times 0$

C. $\times \frac{2}{3}$

D. $\times \left(\frac{2}{3} + 1\right)$

34. For the set for the school play, students are using a triangular board to make a mountain. To make sure the mountain will fit on the stage, they must know the length of the base. If the area of the board is 40 m^2 and the height is 2 m taller than the length of the base, how long is the base of the board?

- A. 6 m
B. 8 m
C. 10 m
D. 20 m

35. Which formula will allow you to solve a quadratic equation?

$\text{A. } x = \frac{-b \pm \sqrt{b^2 - 4ac^2}}{2a}$	$\text{C. } x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
$\text{B. } x = \frac{b \pm \sqrt{b^2 - 4ac}}{2a}$	$\text{D. } x = \frac{b \pm \sqrt{b - 4ac^2}}{2a}$

- A. A
B. B
C. C
D. D

36. Find the equivalent form.

$$\sqrt{5} \times \sqrt{4}$$

- A. $\sqrt{20}$
- B. $\sqrt{9}$
- C. $\sqrt{1}$
- D. $\frac{\sqrt{5}}{\sqrt{4}}$

37. Find the corresponding option.

$$\sqrt{-36}$$

- A. $-6\sqrt{6}$
- B. 6
- C. Not a real number
- D. -6

- A. A
- B. B
- C. C
- D. D

38. Round to the nearest cent when necessary.

25 blank video tapes are on sale for \$19.99.

How much does each video tape cost?

- A. \$0.78
- B. \$0.80
- C. \$1.25
- D. \$1.00

39. If $\frac{15}{45} = \frac{x}{3}$, then x is ____?

- A. 45
- B. 15
- C. 1
- D. 3

40. Solve for x.

$$\frac{2}{3}x + -7 = 9 + -11$$

- A. $3 \frac{1}{3}$
- B. $7 \frac{1}{2}$
- C. $40 \frac{1}{2}$
- D. $-3 \frac{1}{3}$

41. Find the solution.

$$3(x + 1) = 2x + 10$$

- A. $x = 13$
- B. $x = -13$
- C. $x = 7$
- D. $x = -7$

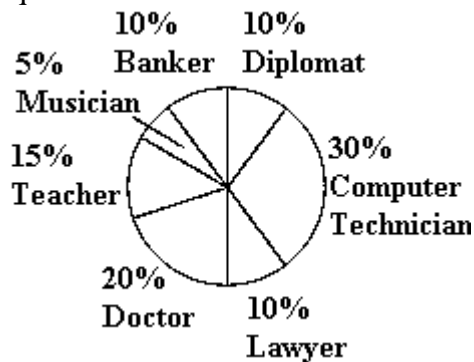
42. Mr. Rivera has a jar full of nickels, dimes, and quarters. There are three times as many nickels as there are dimes. There are 20 more quarters than dimes. The jar contains 56 quarters. How many nickels are there?

- A. 116 nickels
- B. 168 nickels
- C. 228 nickels
- D. 108 nickels

43. Average the following numbers: 250, 30, 855, 65, 780, 100, 45, 70, 115, 60.

- A. 2370
- B. 227
- C. 234
- D. 237

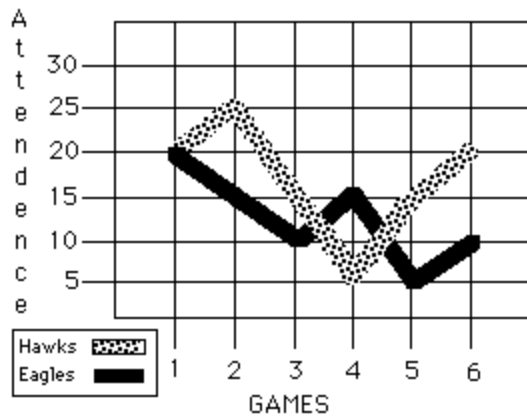
44. How many different teams of 3 students can be formed if you have 100 students to choose from?
- A. 161,700
 B. 300
 C. 323,400
 D. 1,000,000
45. Amelia is going to a drug store to do some shopping. She needs toothpaste, contact solution, and bar soap. There are fourteen different brands of toothpaste, 3 different brands of saline solution, and nine different brands of bar soap. How many different arrangements can Amelia choose from?
- A. 15 different arrangements
 B. 84 different arrangements
 C. 378 different arrangements
 D. 84 different arrangements
46. A group of 1,500 high school students were asked to fill out a questionnaire about their future career choices. The circle graph represents the results of the questionnaire. Use the circle graph to answer the question.



How many students chose doctor as their career choice?

- A. 300 students
 B. 200 students
 C. 150 students
 D. 400 students

47. The Hawks and the Eagles are two hockey teams. This graph represents the attendance for each team. The attendance is given in thousands.



How many more people were at the Eagles' Game 1 than at the Hawks' Game 1?

- A. 20,000
 B. 10,000
 C. 25,000
 D. The same number of people attended both games.
48. There are 9 pieces of paper in a hat numbered 1 through 9. Kaleda needs to pick a 1, 2, 9, and 5 in order to win. The first, second, and third pieces of paper drawn are not replaced.

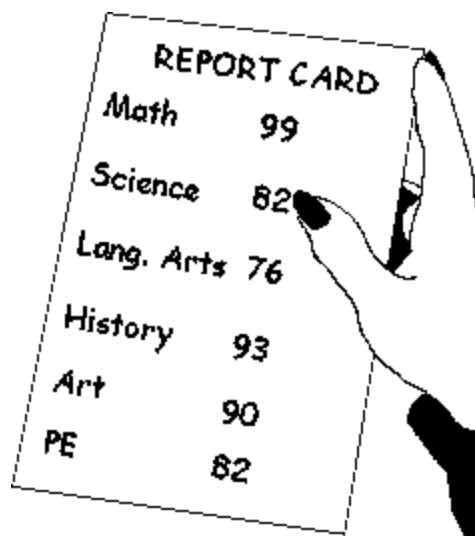
What are her chances of winning?

- A. $\frac{1}{6561}$
 B. $\frac{1}{36}$
 C. $\frac{1}{3024}$
 D. $\frac{4}{9}$
49. What is the range of the group of numbers?

8.6, 4.1, 8, 16.3, 11.4

- A. 24.4
 B. 24.2
 C. 48.4
 D. 12.2

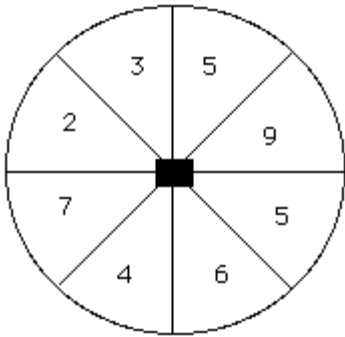
50. Which of the following measures of central tendency is false?



REPORT CARD	
Math	99
Science	82
Lang. Arts	76
History	93
Art	90
PE	82

- A. median = 84.5
B. mean = 87
C. mode = 82
D. range = 23
51. The Board of Directors of a company has seven members who are all willing to serve as an officer. How many different ways can there be a President and Vice President elected?
- A. 2!
B. 12!
C. 42
D. 35

52. Use the spinner to answer the question.



If you spin twice, how many times can you expect to spin a 9?

- A. 0.22
 - B. 4.5
 - C. 0.25
 - D. 1.8
53. What is the average of the following numbers?
- 6, 5, 18, 21, 10, 9, 18, 20, and 1
- A. 108
 - B. 12
 - C. 9
 - D. 54
54. If you were to draw a playing card from a standard deck, what is the probability of drawing an 8 of hearts?
- A. $\frac{1}{4}$
 - B. $\frac{3}{26}$
 - C. $\frac{1}{52}$
 - D. $\frac{1}{13}$
55. If you were to draw a card from a standard deck, what is the probability of drawing a red queen?
- A. $\frac{1}{13}$
 - B. $\frac{1}{26}$
 - C. $\frac{3}{13}$
 - D. $\frac{1}{52}$

56. Use the table to answer the question. Round to the nearest cent when necessary.

	Pencils	Pens	Folders	Binders
STORE A	12 for \$1.10	12 for \$1.50	3 for \$0.90	\$1.59 each
STORE B	10 for \$0.90	10 for \$1.25	5 for \$1.15	2 for \$3.00
STORE C	6 for \$0.60	6 for \$0.90	\$0.25 each	3 for \$5.00
STORE D	20 for \$1.99	20 for \$2.99	10 for \$2.75	10 for \$9.99
STORE E	\$0.10 each	\$0.15 each	15 for \$3.75	5 for \$5.00
STORE F	5 for \$0.50	5 for \$0.75	2 for \$0.45	6 for \$6.25

How much would one binder cost at Store F?

- A. \$1.00
 - B. \$1.05
 - C. \$1.04
 - D. \$1.06
57. Find the value of the ? in the given statement.
- $$57,000,000 = 5.7 \times 10^?$$
- A. -8
 - B. -6
 - C. 8
 - D. 7
58. Arianna's father gave her \$200. She spent \$15.50 on gas for her car and \$4.25 for lunch. With the remaining money Arianna needs to buy a gift for each of her 5 brothers.

How much money can Arianna spend on each gift?

- A. \$43.95
- B. \$180.25
- C. \$36.05
- D. \$1081.5

59. Cameron needs $\frac{4}{5}$ of a cup of chocolate chips for one recipe and $\frac{7}{9}$ of a cup for another recipe. Estimate how many cups of chocolate chips he will need.

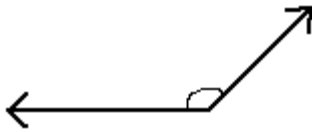
A. $1\frac{1}{2}$ cups

B. $1\frac{1}{4}$ cups

C. $\frac{1}{2}$ of a cup

D. $\frac{3}{4}$ of a cup

60. Identify the angle.

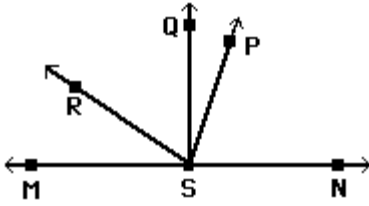


A. obtuse angle

B. acute angle

C. right angle

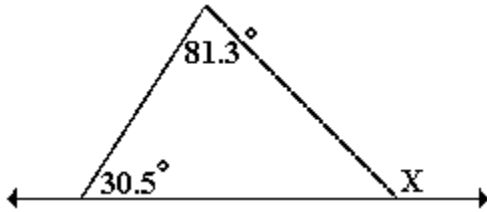
61. Fill in the blank.



$\angle QSM$ appears to be _____.

- A. an obtuse angle
- B. an acute angle
- C. a right angle
- D. a straight angle

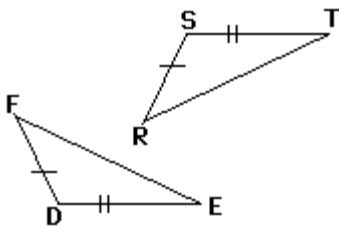
62.



What is the value of $\angle X$?

- A. 68.2°
- B. 111.8°
- C. 81.3°
- D. 98.7°

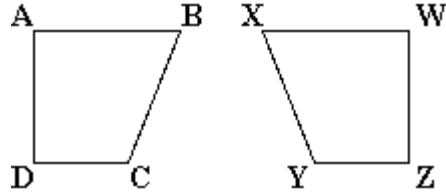
63. These two triangles are congruent.



$\angle FDE$ is equal to 110° . $\angle DEF$ is equal to 39° . What is $\angle RST$ equal to?

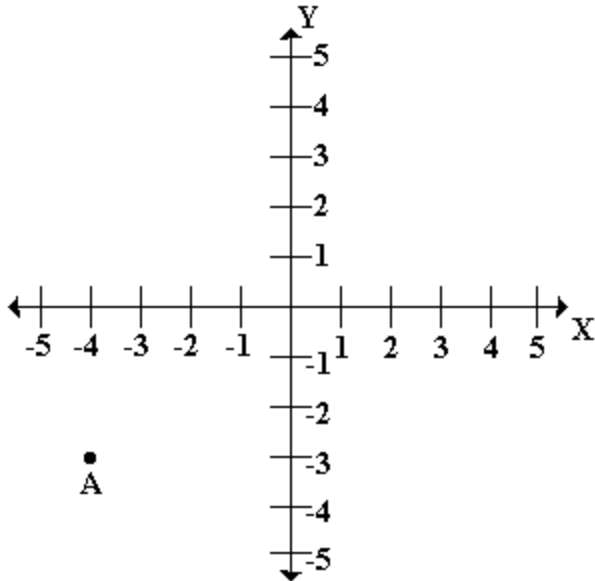
- A. 110°
- B. 31°
- C. 70°
- D. 39°

64. Fill in the blank.
Quadrilaterals ABCD and WXYZ are congruent.



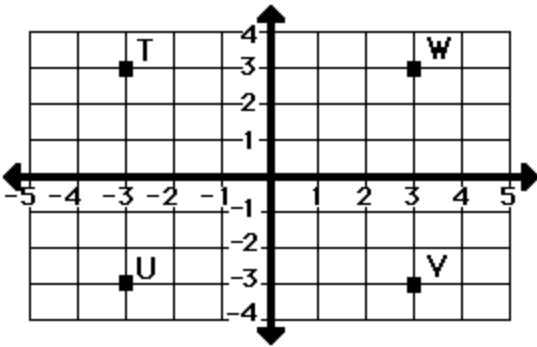
Segment AB is congruent to segment _____.

- A. CD
 - B. AC
 - C. YZ
 - D. WX
65. What are the coordinates of point A?



- A. (-4, -3)
- B. (-3, -4)
- C. (-4, 3)
- D. (-3, 4)

66. What is the ordered pair for point V?

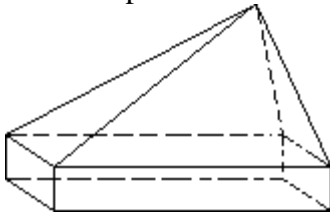


- A. (3, -3)
- B. (3, 3)
- C. (-3, 3)
- D. (-3, -3)

67. Which of the options below is NOT a step toward finding the distance between point A (-5, -5) and point B (9, -4)?

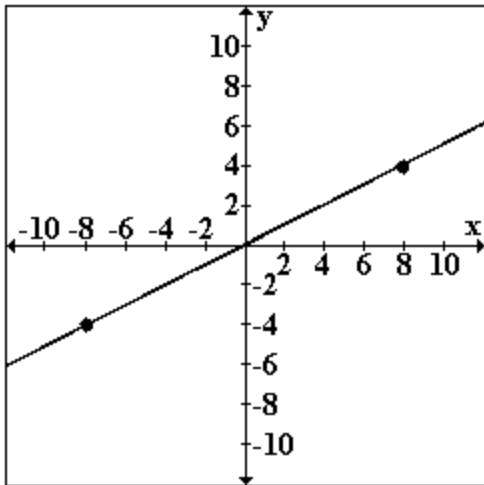
- A. squaring -14 and -1
- B. adding 196 and 1
- C. subtracting -9 from 5
- D. adding 4 to -5

68. What shapes are in this figure?



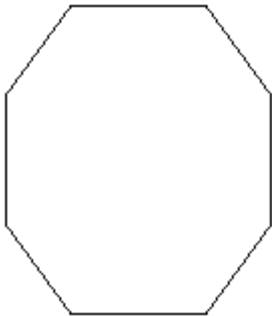
- A. rectangular prism and pyramid
- B. pyramid and rectangle
- C. cone and rectangle
- D. rectangular prism and cone

69. Which equation best represents the graph?



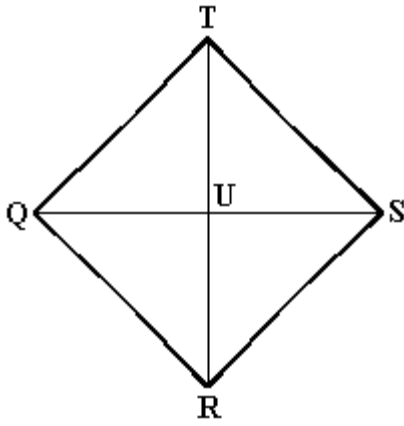
- A. $y = 1/2 x$
- B. $x = 1/2 y - 1$
- C. $x = 1/2 x - 1$
- D. $y = 2x$

70. Name the polygon.



- A. hexagon
 - B. decagon
 - C. pentagon
 - D. octagon
71. Which of the following statements is true?
- A. All rhombuses are squares.
 - B. All rectangles are squares.
 - C. All squares are rectangles.
 - D. All parallelograms are rectangles.

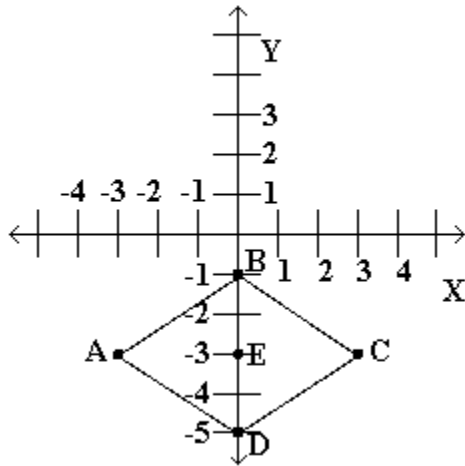
72. Diagonal QS of rhombus QRST is 100 meters long.



How long is segment US?

- A. 50 meters
B. 100 meters
C. 25 meters
D. Information not provided.
73. A triangle has sides which are 6, 8, and 10 inches long. Which applied equation will prove that this triangle **is or is not** a right triangle?
- A. $3^2 + 4^2 = 10^2$
B. $6^2 + 8^2 = 10^2$
C. $6 + 8 = \sqrt{10}$
D. $90^\circ = 10^2 + 8^2 + 6^2$
74. The equations of a translation are $x' = 2 - x$ and $y' = y - 3$. What is the translation of point K (-3, -1)?
- A. (5, -2)
B. (-1, -4)
C. (-1, -2)
D. (5, -4)

75. What will the coordinates of point D be if the figure ABCD is rotated around point E so that point B is at (0, -5)?

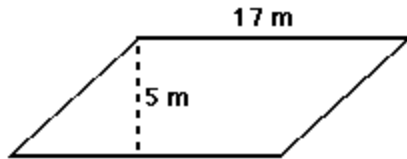


- A. (-3, -3)
B. (0, -1)
C. (3, -3)
D. (0, -5)
76. A right triangle has a second angle measuring 34° . What is the measure of the third angle?
- A. 101°
B. 124°
C. 56°
D. 46°
77. The baseball field is 6 miles due west of Katie's house. The batting cages are due north of Katie's house. The diagonal distance from the baseball field to the batting cages is 10 miles. What is the shortest distance from Katie's house to the batting cages?
- A. 4 miles
B. 16 miles
C. 2 miles
D. 8 miles

78. What is the area of a circle with a radius equal to 9 meters?

- A. 25.8 square meters
- B. 81 square meters
- C. 56.52 square meters
- D. 254.34 square meters

79. Find the area of the parallelogram.



- A. 22 square meters
- B. 85 square meters
- C. 42.5 square meters
- D. 44 square meters

80. What is the area of a parallelogram with a base equal to 2.2 meters and a height equal to 3.3 meters?

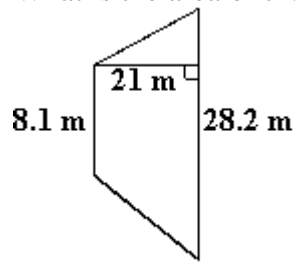
- A. 72.6 square meters
- B. 5.5 square meters
- C. 7.26 square meters
- D. 55 square meters

81. Pilar wants to fill her rectangular garden with dirt. The garden is 70 meters long and 30 meters wide.

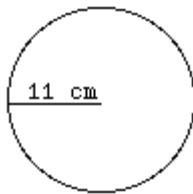
What is the area of the garden?

- A. 2,100 square meters
- B. 100 square meters
- C. 200 square meters
- D. 1,050 square meters

82. What is the area of the trapezoid?



- A. 10.877 square meters
B. 381.15 square meters
C. 592.2 square meters
D. 2,398.41 square meters
83. What is the area of a triangle with a base equal to 5.5 feet and a height equal to 10 feet?
- A. 110 square feet
B. 55 square feet
C. 7.42 square feet
D. 27.5 square feet
84. What is the circumference of the circle?



Round your answer to the nearest hundredth.

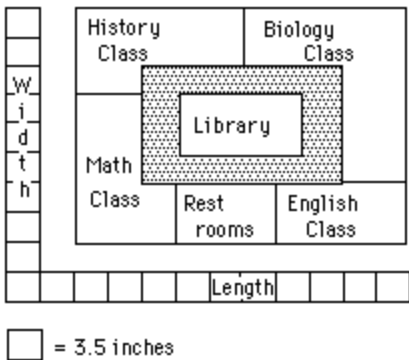
- A. 34.54 cm
B. 379.94 cm
C. 69.08 cm
D. 484 cm

85. The Acme Fencing Company built a fence around a rectangular yard. The yard is 12 meters wide and 45 meters long.

What is the perimeter of the yard?

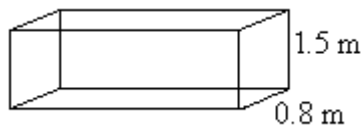
- A. 540 meters
- B. 228 meters
- C. 57 meters
- D. 114 meters

86. This is a scale drawing of Lincoln Junior High School.



The scale used is 3.5 inches equals 7 feet. What is the actual length of the library?

- A. 28 feet
 - B. 98 feet
 - C. 14 feet
 - D. 24.5 feet
87. Kim's aquarium holds 3.4 m^3 of water. Its height and width are 1.5 m and 0.8 m, respectively. What is the length of the aquarium? Round your answer to the nearest tenth.



- A. 2.3 m
- B. 3.4 m
- C. 1.2 m
- D. 2.8 m

88. In July, the high temperature was 30°C . The low temperature was -9°C .

What was the average temperature for the month of July?

- A. 19.5°C
- B. -19.5°C
- C. -10.5°C
- D. 10.5°C

89. Larry is 13.5 years old.

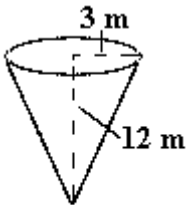
Express Larry's age in months.

- A. 81 months
- B. 156.5 months
- C. 702 months
- D. 162 months

90.
$$\begin{array}{r} 5 \text{ yd } 2 \text{ ft } 9 \text{ in} \\ + \quad \quad 1 \text{ ft } 7 \text{ in} \\ \hline \end{array}$$

- A. 6 yd 1 ft 6 in
- B. 6 yd 1 ft 4 in
- C. 6.16 yd
- D. 5 yd 1 ft 2 in

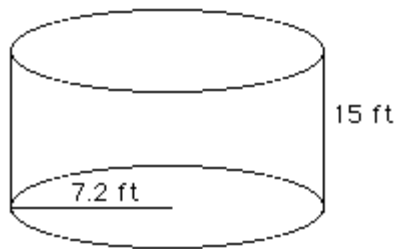
91. What is the volume of the cone? Round your answer if necessary.



$\pi = 3.14$

- A. 314 cubic meters
- B. 104.7 cubic meters
- C. 23,550 cubic meters
- D. 113 cubic meters

92. What is the volume of the cylinder?



Round your answer to the nearest hundredth when necessary.

- A. 339.12 cubic feet
 - B. 2,441.66 cubic feet
 - C. 678.24 cubic feet
 - D. 5,086.8 cubic feet
93. A pyramid with a square base has a volume of 320 cubic meters. Each side of the base measures 6 meters.

What is the height of the pyramid?

Round to the nearest whole number.

- A. 27 meters
 - B. 80 meters
 - C. 3 meters
 - D. 12 meters
94. The volume of a rectangular prism is 300 cubic meters. The base has a length of 5 meters and a width of 6 meters.

What is the height of the prism?

- A. 10 meters
- B. 270 meters
- C. 100 meters
- D. 30 meters

95.

Triangular Face		Height of Prism	Volume of Prism
Base	Height		
9.7 cm	6 cm	?	436.5 cm ³

What is the height of the prism?

- A. 15.7 cm
- B. 15 cm
- C. 378.3 cm
- D. 210.4 cm

96. Which of the following numbers is greater than the others?

- A. $\frac{1}{2}$
- B. 100%
- C. $\frac{3}{4}$
- D. 0.9

97. Find another way to write:

$$\frac{8}{25}$$

- A. $\frac{1}{4}$
- B. 25%
- C. 32%
- D. 258%

98. Which of the following is another way to write 0.75?

- A. $\frac{1}{75}$
- B. $\frac{3}{4}$
- C. $\frac{1}{4}$
- D. $\frac{75}{10}$

99. Which of the following is another way to write 8.3?

- A. $\frac{24}{3}$
- B. $\frac{8}{3}$
- C. $\frac{83}{100}$
- D. $8\frac{3}{10}$

100. Put the following numbers in order from least to greatest.

$$0.5, \frac{10}{2}, 0.5\%$$

A. $0.5\%, 0.5, \frac{10}{2}$

B. $0.5\%, \frac{10}{2}, 0.5$

C. $\frac{10}{2}, 0.5, 0.5\%$

D. $0.5, 0.5\%, \frac{10}{2}$

101. Find 203% of 26.9.

- A.** 53.8
- B.** 0.1325
- C.** 7.546
- D.** 54.607

102. Jake wants to take Meghan to the movies. He has a coupon for a 20% discount on two movie tickets. The price for one movie ticket is \$7.75.

How much is Jake's discount on the two movie tickets?

- A.** \$12.40
- B.** \$6.20
- C.** \$3.10
- D.** \$1.55

103. A skateboard store is having a sale. The discount is 23% on all items.

If the original price of a skateboard is \$368.53, what is the sale price?

- A. \$34.36
- B. \$283.77
- C. \$358.40
- D. \$84.76

104. Which choice best describes the following?

$$f(x) = x^2 + 3x - 4$$

- A. Axis of symmetry at $x = -3/2$
- B. Opens up
- C. A parabola
- D. A quadratic function

105. Choose the symbol that replaces the question mark (?).

$$-8(-144 \div 6) \text{ ? } -2(1320 \div -12)$$

- A. =
- B. >
- C. <

106. Choose the symbol to replace the question mark.

$$(-9 - -17) + 12 \text{ ? } (-10 + 30)$$

- A. =
- B. <
- C. >

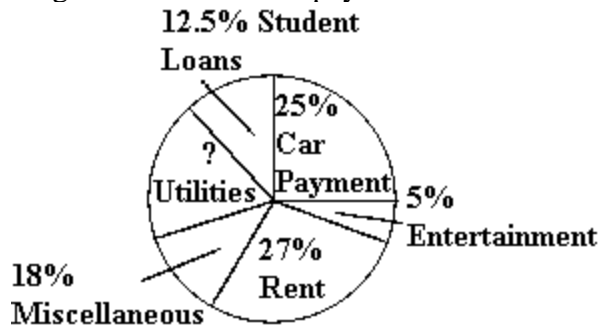
107. $(-6 \times -2) \times (4 \div -2) =$

- A. -24
- B. -16
- C. 24
- D. 16

108. In addition to presents, Sheri and Brian received \$4,300.00 for their wedding from the 300 guests that attended. They deposited it into a money-market savings account which pays 6.1% interest per year. They have been married for 18 months. How much money is currently in their account?

- A. \$4,721.40
- B. \$4,693.45
- C. \$8,234.50
- D. \$9,021.40

109. Juan Martinez's income is \$2,887.50 per month. If Juan's student loans are \$10,000.00 tax free, how long will it take him to pay the loans off?



- A. 27 months
 - B. 28 months
 - C. 13 months
 - D. 14 months
110. A quality snowboard rents for \$50.00 a day at ski lodges. You can purchase a snowboard for \$650.00. You can pay that amount in cash, or you can choose a credit plan and pay a \$150.00 down payment and then 24 monthly installments of \$25.00. How much more will you pay for the snowboard if you choose the credit plan?
- A. \$100.00
 - B. \$200.00
 - C. \$700.00
 - D. The two options equal the same amount.
111. Janine and Billy need to borrow \$25,500 to buy a new boat. They want to borrow the money for three years at a yearly interest rate of 18%.

How much interest will they pay?

- A. \$47,222
- B. \$14,166
- C. \$13,770
- D. \$4,590

- 112.** Mahar went to an amusement park with his younger brother and sister. Mahar's ticket cost \$32 because he is 17 years old. Each of the other tickets cost \$25. For lunch they had hamburgers and drinks totaling \$15.64. As they were leaving the park, each of his siblings asked for a keepsake. If Mahar began the day with \$125.00, how much money was left for keepsakes?
- A.** \$52.36
 - B.** \$27.36
 - C.** \$97.64
 - D.** Mahar did not have any money left.