

**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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

1.     The range of Rita's paper airplane is 456 feet. This is 112 feet more than one-half the range of Fred's airplane.

What is the range of Fred's paper airplane?

- A.     344 feet
- B.     170 feet
- C.     688 feet
- D.     284 feet

2.     The numbers in Column A have been changed to the numbers in Column B by using a specific rule.

A	B
81	9
63	7
27	3
18	2

Which number sentence shows that rule?

- A.      $A \div 9 = B$
- B.      $A + 9 = B$
- C.      $A \times 9 = B$
- D.      $A \times 3 = B$

3.

◇ is to ◆ as □ is to \_\_\_\_.

Choose one of the following to complete the sentence.

◇	■	□	◆
A	B	C	D

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

4.





Which figure would come next in the pattern?



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

5. If the pattern continues, what will the next shape be?



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

6. Neeta had 2.9 pies. Her mother gave her 4.2 pies.

Which of these number sentences shows how to find how many pies Neeta has?

- A.  $4.2 - 2.9 =$
- B.  $4.2 \times 2.9 =$
- C.  $4.2 + 2.9 =$
- D.  $4.2 \div 2.9 =$
7. Joanie has 36 cookies and she wants to give each of her 4 friends the same number of cookies. She decided that each friend should get 9 cookies. If she used the number sentence  $36 \div 4 = 9$  to determine the number of cookies to give each friend, which number sentence can she use to check her calculation?
- A.  $36 \times 4 = 144$
- B.  $9 \times 4 = 36$
- C.  $9 + 4 = 13$
- D.  $36 - 9 = 27$

8. Marcus drove 56 miles on Monday, 23 miles on Tuesday, and 42 miles on Wednesday. How many miles did Marcus drive on Monday and Wednesday?
- A. 121 miles
  - B. 79 miles
  - C. 65 miles
  - D. 98 miles
9. Wendy is going on a trip to San Luis Obispo. She is traveling by bus. Her watch reads 2:13, so her bus leaves in 7 minutes. Kerri reminds Wendy that her watch is 5 minutes fast. What time is it really?
- A. 2:08
  - B. 2:13
  - C. 2:20
  - D. 2:05
10. Zachary rode his bike on Saturday. First, he rode 10 miles to Jack's house. Then, they walked 5 miles each way to John's house. Afterwards, Zachary rode home from Jack's house. How many total miles did Zachary ride on Saturday?
- A. 10 miles
  - B. 15 miles
  - C. 20 miles
  - D. 25 miles
11. Lydia weighs 7 times as much as Andre. Andre weighs half as much as Stephanie. Wendell weighs 88 pounds. Jillian weighs 158 pounds. Kyle weighs  $\frac{1}{5}$  as much as Lydia. Stephanie weighs 78 pounds. How much does Kyle weigh?
- A. 22.29 pounds
  - B. 156 pounds
  - C. 54.6 pounds
  - D. 49.2 pounds
12. What is the missing SYMBOL?
- $$\begin{array}{r} 36 \\ \square 53 \\ \hline 89 \end{array}$$
- A. +
  - B. -
  - C. x
  - D. =

13. Complete the number sentence.

$$50 \times ? = 100$$

- A. 50
  - B. 25
  - C. 10
  - D. 2
14. Terran received \$1.50 for his allowance. He bought a fishing pole for \$0.75 and some bait for \$0.35. How much allowance does he have left?
- A. \$0.40
  - B. \$1.10
  - C. \$1.50
  - D. \$0.50
15. Trey's watch adds 5 minutes to every hour. He resets his watch every day at midnight. When Trey's watch reads 5:00 A.M., what time is it really?
- A. 2:45 A.M.
  - B. 4:35 A.M.
  - C. 5:25 A.M.
  - D. 3:30 A.M.
16. Cindy bought 6 postcards for \$0.35 each. How much change did she receive from \$5.00?
- A. \$2.10
  - B. \$4.65
  - C. \$2.90
  - D. \$7.10
17. Allan moved to a new school. He made 3 friends from his class in the first week and he made 5 friends from his class the next week. There are 25 students in his class. How many more friends does he need to make in order to be friends with everyone?
- A. 7 friends
  - B. 18 friends
  - C. 17 friends
  - D. 32 friends

18. Timothy found \$20.00 on the side of the road. He bought a sandwich for \$3.25, a drink for \$0.89, and a candy bar for \$0.55. How much money does Timothy have left?
- A. \$4.69
  - B. \$15.31
  - C. \$24.69
  - D. \$16.75
19. The graduation had 500 students. Each student could invite 5 guests. 50% of the students invited all 5 guests. 38% of the students invited 2 guests. The rest invited 4 guests. How many guests attended the ceremony?
- A. 1,250 guests
  - B. 620 guests
  - C. 1,870 guests
  - D. 2,370 guests
20. Complete the number pattern.
- 83, 77, 71, 65, \_\_\_\_\_
- A. 61
  - B. 58
  - C. 60
  - D. 59
21. Find the missing number in the pattern.
- 54, 43, 33, \_\_\_\_\_, 16, 9, 3
- A. 22
  - B. 25
  - C. 23
  - D. 24
22. Replace the ? with a plus (+) or a minus (-) sign.
- $4 ? 3 = 1$
- A. +
  - B. -

23. What symbol completes the number sentence?

$$30 \ ? \ 10 = 20$$

- A.  $\div$
- B.  $+$
- C.  $-$
- D.  $\times$

24. What number completes both number sentences.

$$20 + ? = 35$$

$$35 - ? = 20$$

- A. 10
- B. 30
- C. 5
- D. 15

25. What number completes this number sentence?

$$(63 + 7) \times ? = 3 \times (63 + 7)$$

- A. 7
- B. 70
- C. 210
- D. 3

26. Complete the sequence.

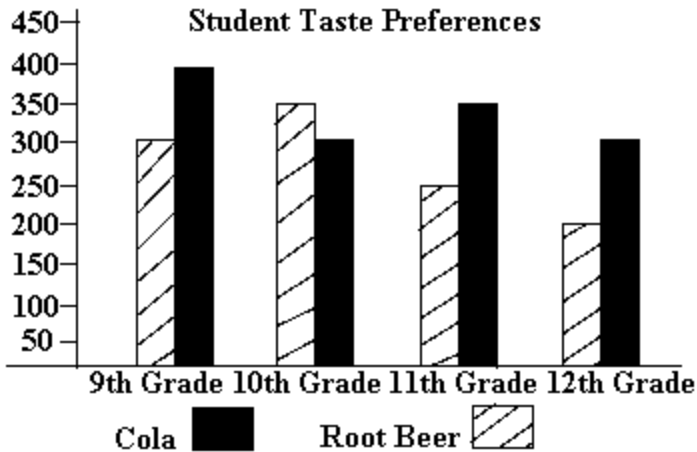
$$33, 37, 41, \underline{\quad}, 49, 53$$

- A. 44
- B. 45
- C. 48
- D. 52

27. Average the following numbers: 5, 10, 15, 20, 25, 35, 40, 45, 50, 55.

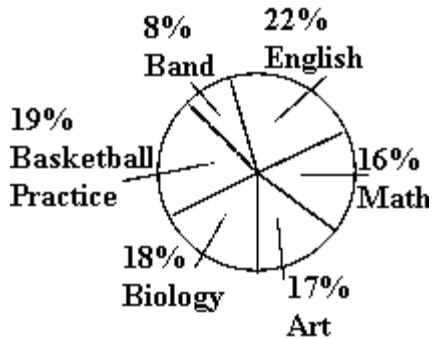
- A. 25
- B. 10
- C. 30
- D. 150

28. How many 12th grade students voted for cola and root beer?



- A. 200 students
- B. 400 students
- C. 300 students
- D. 500 students

29. This circle graph represents the amount of time Gabriella spends on her homework and extra-curricular activities. Use the circle graph to answer the question.



Which two activities does Gabriella spend the most time doing?

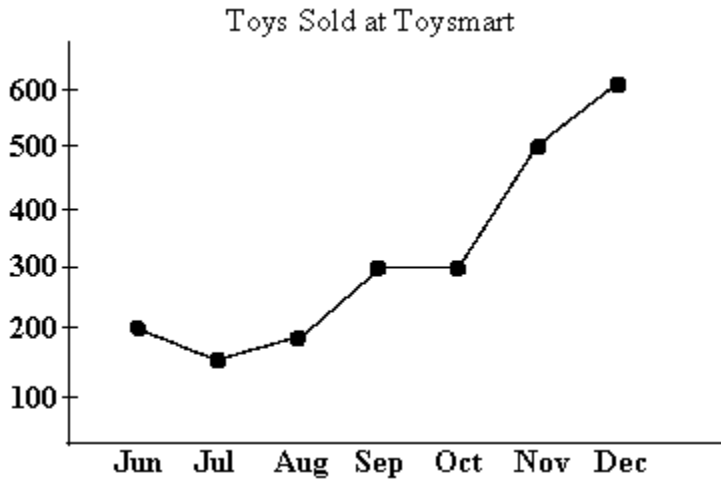
- A. biology and English
- B. basketball practice and biology
- C. English and basketball practice
- D. math and English

30. Two-hundred people were interviewed on what they like to do on the weekends. The circle graph represents the results of the interviews.



How many people said that they like to go to the beach or to a park on the weekends?

- A. 80 people
  - B. 40 people
  - C. 160 people
  - D. 50 people
31. Use the line graph to answer the question.



About how many toys were sold at Toysmart in August?

- A. 200 toys
- B. 300 toys
- C. 100 toys
- D. 400 toys

32. Use this line graph to fill in the blank about magazine sales.



There were \_\_\_\_\_ magazines sold in 1992.

- A. 400
  - B. 450
  - C. 500
  - D. 350
33. What is the mean of the group of numbers?

5, 8, 11, 12, 18, 0

- A. 54
- B. 10.8
- C. 0
- D. 9

34. Four girls lined up according to height.

5'0", 5'2", 5'6", 5'7"

What is the median height of the girls?

- A. 5'2"
- B. 5'6"
- C. 5'4"
- D. 5'5"

35. For his science project, Cal can use green, blue, orange or brown paper. He has black, white, and red paint.

How many paper and paint combinations can Cal make?

- A. 6 color combinations
  - B. 9 color combinations
  - C. 7 color combinations
  - D. 12 color combinations
36. If you were to draw a playing card from a standard deck, what is the probability of drawing a diamond?
- A.  $\frac{1}{4}$
  - B.  $\frac{3}{26}$
  - C.  $\frac{1}{52}$
  - D.  $\frac{1}{13}$
37. If you were to draw a card from a standard deck, what is the probability of drawing a black 10?
- A.  $\frac{1}{13}$
  - B.  $\frac{1}{26}$
  - C.  $\frac{3}{13}$
  - D.  $\frac{1}{52}$
38. Taro decided to find out the average number of fish in the tanks at the pet store. He counted 82, 87, 64, 81, 27, and 13 fish. What is the average?
- A. 354 fish
  - B. 177 fish
  - C. 59 fish
  - D. 64 fish

39. Use the table to answer the question.

**Spelling Test Scores**

Students	Week 1	Week 2	Week 3	Week 4
Aaron	10	9	10	8
Destiny	6	8	10	6
Juan	5	5	6	4
Kim	9	8	10	10
Sean	6	7	6	8
Violet	5	8	7	6

What was Juan's spelling test score in Week 3?

- A. 6
  - B. 10
  - C. 4
  - D. 5
40. Use the table to answer the question.

Popcorn	\$1.25
Fruit punch	\$0.65
Hot dog	\$0.80
Lemonade	\$1.20
Ice cream bar	\$1.10
Milk	\$0.55

Angelina bought three hot dogs and a lemonade.

How much money did Angelina spend?

- A. \$3.60
- B. \$2.00
- C. \$5.00
- D. \$2.30

41. Use the table to answer the question.

SECTION	TICKET PRICE
Field Level	\$24
Plaza Level	\$20
Club Level	\$20
Lounge Level	\$16
Grandstand	\$8

How much more does it cost to sit in the club level than the grandstand?

- A. \$16  
B. \$4  
C. \$8  
D. \$12
42. Four classes at Junction Elementary School participated in the student council election. Use the chart to answer the question.

**Election Results**

Megan	12	15	10	16
Roger	15	18	17	11
Terry	13	7	13	13
	A	B	C	D

How many students in Class B voted for Terry?

- A. 7 students  
B. 13 students  
C. 18 students  
D. 15 students
43.  $18.77 + 16.33 =$
- A. 33.1  
B. 3.35  
C. 35.1  
D. 34.3

44. 
$$\begin{array}{r} 0.81 \\ + 0.17 \\ \hline \end{array}$$

- A. 0.99
- B. 0.96
- C. 0.98
- D. 0.78

45. 
$$\begin{array}{r} 9.9 \\ + 6.7 \\ \hline \end{array}$$

- A. 3.2
- B. 16.6
- C. 15.16
- D. 3.5

46. Martha swam 17.96 laps in the pool. Ernie swam 11.5 laps in the pool.

How many laps did they swim altogether?

- A. 29.46 laps
- B. 28.101 laps
- C. 19.11 laps
- D. 1.911 laps

47. Aidan is going to make chili. He needs 1.44 pounds of meat and 2.333 pounds of beans.

How many pounds of meat and beans does Aidan need in all?

- A. 3.773 pounds
- B. 3.77 pounds
- C. 2.477 pounds
- D. 24.77 pounds

48. The construction crew mixed 14.089 tons of gravel, 12.333 tons of sand, and 18.667 tons of cement mix together. How many tons of material did they mix?

- A. 34.979 tons
- B. 45.089 tons
- C. 450.79 tons
- D. 35.879 tons

49. 
$$\begin{array}{r} 85.7834 \\ + 10.1253 \\ \hline \end{array}$$
- A. 951.087  
B. 85.6687  
C. 94.7677  
D. 95.9087

50. 
$$\begin{array}{r} 12.445 \\ + 12.567 \\ \hline \end{array}$$
- A. 24.1012  
B. 24.902  
C. 25.012  
D. 250.12

51.  $99.2 + 78.2 + 10.2 =$
- A. 187.6  
B. 187.0  
C. 187.2  
D. 187.4

52.  $13.8 \overline{)150.0336}$
- A. 10.870  
B. 10.872  
C. 1087.2  
D. 100.872

53.  $16 \overline{)63.7952}$
- A. 398.72  
B. 0.39872  
C. 39.872  
D. 3.9872

54. Ms. Hernandez bought 78.63 gallons of paint. She has 3 equal sized rooms to paint.

How many gallons of paint are used on each room?

- A. 229.89 gallons
- B. 75.63 gallons
- C. 22.989 gallons
- D. 26.21 gallons

55. Marcia had 3 quarters and 7 nickels. She gave her brother 35¢ .

How much money does she have left over?

- A. \$0.75
- B. \$1.10
- C. \$0.85
- D. \$1.25

56. 
$$\begin{array}{r} \$25.99 \\ \times \quad 7 \\ \hline \end{array}$$

- A. \$18.193
- B. \$1,819.30
- C. \$181.93
- D. \$1.8193

57.  $0.11 \times 0.56 =$

- A. 616
- B. 6.16
- C. 0.616
- D. 0.0616

58. Rodney runs 4.6 miles every day.

How many miles has he run in 11 days?

- A. 50.6 miles
- B. 15.6 miles
- C. 5.06 miles
- D. 1.56 miles

59. 
$$\begin{array}{r} 1.999 \\ \times 2.336 \\ \hline \end{array}$$
- A. 4.335000  
B. 4.669664  
C. 4,335  
D. 4,669,664
60.  $(7.54 \times 0.1) \div (1.64 \div 8.2) = ?$
- A. 10.14  
B. 0.2653  
C. 0.0561  
D. 3.77
61. What does the digit 4 mean in 245.678?
- A. ones  
B. thousandths  
C. hundredths  
D. tens
62. What does the digit 8 mean in 2.46871?
- A. hundredths  
B. tenths  
C. ten thousandths  
D. thousandths
63. Barry spent 1.25 hours doing homework on Wednesday. He spent 2.06 hours doing homework on Thursday. How much time did Barry spend doing homework?
- A. 0.81 hours  
B. 3.31 hours  
C. 3.21 hours  
D. 4.12 hours

64. Puppy mix costs \$3.98 a pound. Cockatiel food costs \$2.98 a pound. Dog bones cost \$0.78 a pound. Dog collars are 2 for \$1.00.

Chandler bought 4.5 pounds of puppy mix, 3.5 pounds of cockatiel food, 12.75 pounds of dog bones and 1 dog collar.

How much money did Chandler spend?

- A. \$38.09
- B. \$28.74
- C. \$38.79
- D. \$39.59

65. 
$$\begin{array}{r} 7.13 \\ - 5.75 \\ \hline \end{array}$$

- A. 2.62
- B. 1.38
- C. 12.88
- D. 1.82

66. 
$$\begin{array}{r} 3.77 \\ - 2.22 \\ \hline \end{array}$$

- A. 0.55
- B. 5.55
- C. 1.55
- D. 2.55

67. 
$$\begin{array}{r} 2.36 \\ - 1.43 \\ \hline \end{array}$$

- A. 3.79
- B. 1.13
- C. 1.83
- D. 0.93

68. Tonya bought 11.5 gallons of paint for her house. She only used 9.25 gallons.

How much extra paint did she have?

- A. 2.25 gallons
- B. 1.75 gallons
- C. 2.5 gallons
- D. 1.25 gallons

69. Gerald is going to purchase a new car for \$49,679.90. He will make a down payment of \$6,238.77.

How much will Gerald still need to pay for the car after he makes the down payment?

- A. \$27,2722
- B. \$47,3722.00
- C. \$43,441.13
- D. \$4,731.27

70. A bottle can hold 6.2244 gallons of liquid. Najee poured 3.999 gallons of juice into the bottle.

How many more gallons of juice could the bottle hold?

- A. 2.2254 gallons
- B. 3.3354 gallons
- C. 5.8245 gallons
- D. 0.9355 gallons

71.  $7.885 - 1.369 =$

- A. 9.254
- B. 6.516
- C. 6.526
- D. 6.1254

72. Reduce all fractions to lowest terms.

$$\frac{2}{7} + \frac{5}{9} = ?$$

- A.  $\frac{53}{63}$
- B.  $\frac{7}{16}$
- C.  $\frac{7}{9}$
- D.  $\frac{3}{2}$

73. John ran  $\frac{3}{5}$  of a mile and Sarah ran  $\frac{3}{4}$  of a mile.

How many miles did they run in all?

A.  $\frac{6}{9}$  miles

B.  $\frac{6}{20}$  miles

C.  $1\frac{7}{20}$  miles

D.  $\frac{3}{20}$  miles

74. Everett made  $8\frac{5}{6}$  liters of punch. Shawn made  $11\frac{7}{8}$  liters of punch.

How many liters of punch did Everett and Shawn make in all?

Reduce the answer to lowest terms.

A.  $19\frac{17}{24}$  liters of punch

B.  $20\frac{17}{24}$  liters of punch

C.  $19\frac{12}{24}$  liters of punch

D.  $19\frac{12}{48}$  liters of punch

75. Murphy walks up the stairs at work on her lunch break for exercise. It takes  $\frac{7}{9}$  of a minute for her to walk up one flight of stairs. How many flights of stairs can she walk up in  $3\frac{1}{2}$  minutes?

A.  $4\frac{1}{2}$  flights

B.  $\frac{2}{9}$  of a flight

C.  $3\frac{1}{8}$  flights

D.  $2\frac{13}{18}$  flights

76. Find the missing number.

$$\frac{12}{10} = \frac{?}{5}$$

A. 2

B. 6

C. 120

D. 22

77. Find the missing number.

$$\frac{18}{42} = \frac{?}{7}$$

A. 6

B. 2

C. 9

D. 3

78. Find the mixed number in lowest terms.

$$\frac{5}{3}$$

A.  $1\frac{4}{3}$

B.  $\frac{3}{4}$

C.  $4\frac{1}{3}$

D.  $1\frac{2}{3}$

79. Reduce all fractions to lowest terms.

$$\frac{5}{15} - \frac{2}{20}$$

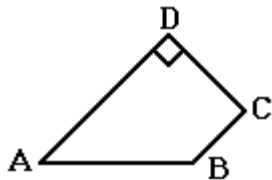
A.  $\frac{14}{60}$

B.  $\frac{3}{300}$

C.  $\frac{7}{30}$

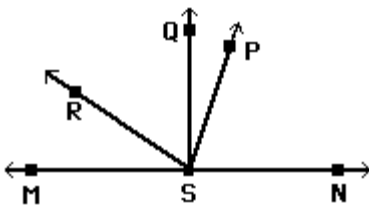
D.  $\frac{3}{35}$

80. Fill in the blank.



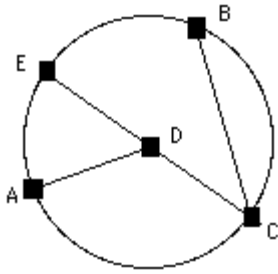
$\angle BAD$  is \_\_\_\_\_.

- A. an acute angle
  - B. an obtuse angle
  - C. an octagon angle
  - D. a right angle
81. If  $\angle QSM$  is a right angle, which of the following measures is the best estimate for  $\angle PSN$ ?



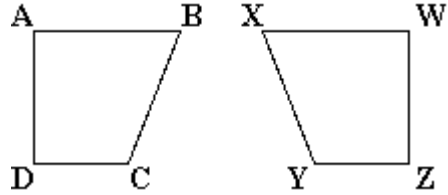
- A.  $145^\circ$
  - B.  $95^\circ$
  - C.  $105^\circ$
  - D.  $75^\circ$
82. Which choice best completes the sentence?  
A chord is ...
- A. a line segment from the center to the edge.
  - B. a line segment that joins any two points on a circle.
  - C. a line segment that crosses the center and has endpoints on the circle.
  - D. a line segment that crosses the center of the circle.

83. What is the name of the diameter?



- A. line segment EC
- B. line segment AD
- C. line segment DC
- D. line segment BC

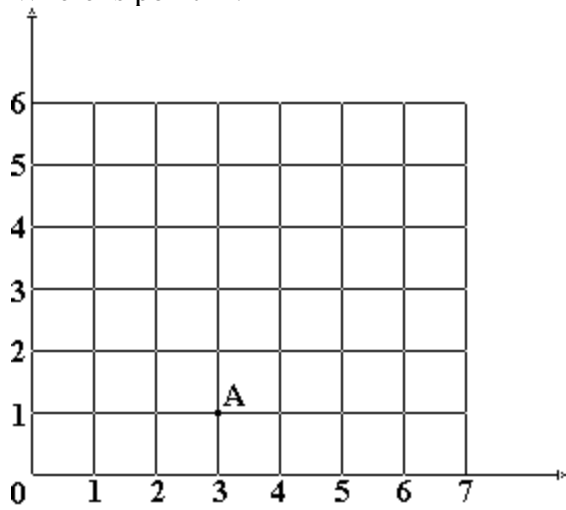
84. Fill in the blank.  
Quadrilaterals ABCD and WXYZ are congruent.



Segment BC is congruent to segment \_\_\_\_\_.

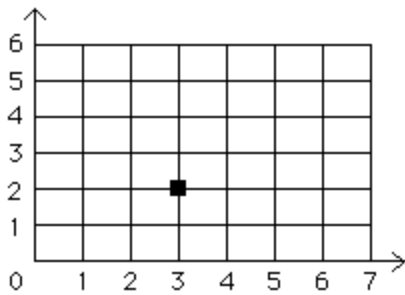
- A. XY
- B. WZ
- C. CD
- D. AD

85. Where is point A?



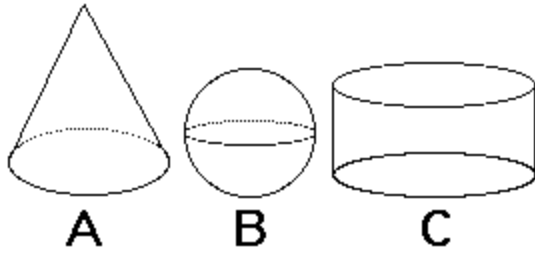
- A. over 3, up 1
- B. over 3, up 0
- C. over 1, up 3
- D. over 4, up 2

86. What are the coordinates of the point?



- A. (3, 3)
- B. (2, 3)
- C. (3, 2)
- D. (2, 2)

87. Which figure is a sphere?

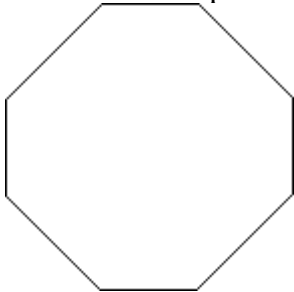


- A. A
- B. B
- C. C
- D. none of the above

88. How many sides does a parallelogram have?

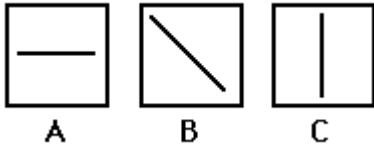
- A. 6
- B. 8
- C. 4
- D. 5

89. What is this shape?



- A. pentagon
- B. sphere
- C. octagon
- D. hexagon

90. Which box contains a horizontal line?



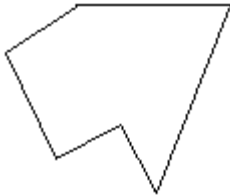
- A. A
- B. B
- C. C
- D. none of the above

91. Holly, Pedro, Oliver, Chris, and Tammy drew different geometric figures: a circle, a pentagon, a trapezoid, a hexagon, and an octagon. No person's name begins with the same first letter as that person's drawing. Chris, Pedro, and Tammy drew figures with more than 4 sides. Chris' drawing has the most sides. Oliver's drawing has exactly one pair of parallel lines.

Which person drew the circle?

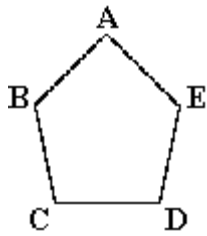
- A. Pedro
- B. Tammy
- C. Holly
- D. Oliver

92. Name the polygon.

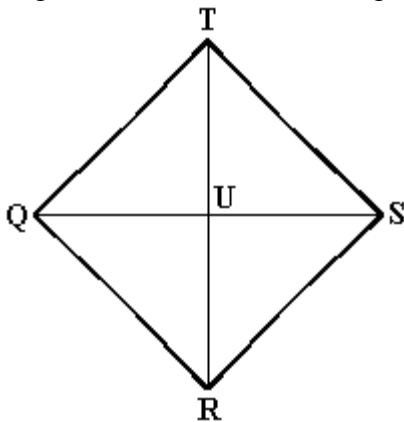


- A. hexagon
- B. decagon
- C. pentagon
- D. octagon

93. In the figure below, how many diagonals can be drawn from vertex D?



- A. two  
B. three  
C. four  
D. five
94. Segments TR and QS are diagonals of rhombus QRST.  $m\angle TSR$  is  $80^\circ$ .



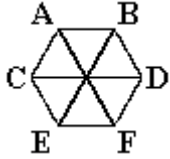
What is the measure of  $\angle TUS$ ?

- A.  $80^\circ$   
B.  $90^\circ$   
C.  $100^\circ$   
D. Information not provided.
95. The length of a rectangle is 25 inches and its width is 20 inches. A similar rectangle has length equal to 15 inches. What is its width?
- A. 33.3 inches  
B. 12 inches  
C. 18.75 inches  
D. 30 inches

96. Triangle ABC has coordinates A (-1, 1), B (-1, -3), and C (-4, -4). What are the coordinates of the reflection of triangle ABC over the y-axis?

- A. (1, 1), (-1, -3), (4, -4)
- B. (1, 1), (1, -3), (4, -4)
- C. (-1, 1), (1, -3), (4, -4)
- D. (-1, -1), (-1, 3), (-4, 4)

97. Choose the option that lists all of the lines of symmetry that are shown for the following figure.



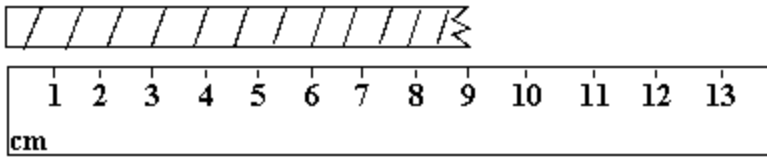
- A. AF, BE
- B. CD, AF, AC
- C. BE, CD
- D. AF, CD, BE

98. Fill in the blank.

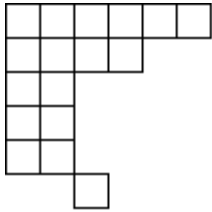
An equilateral triangle has \_\_\_\_\_.

- A. at least two sides the same length
- B. all three sides the same length
- C. no sides the same length
- D. all obtuse angles

99. Measure the length of the object to the nearest centimeter.



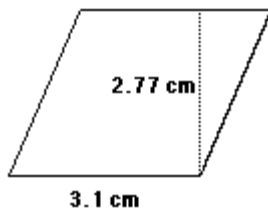
- A. 6 cm  
B. 7 cm  
C. 8 cm  
D. 9 cm
100. Find the area of the following figure in square units.



= 1 square unit

- A. 12 square units  
B. 14 square units  
C. 17 square units  
D. 18 square units

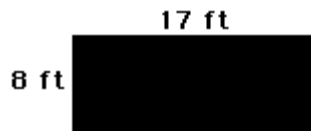
101. Find the area of the parallelogram.



- A. 11.74 square centimeters  
B. 8.587 square centimeters  
C. 4.2935 square centimeters  
D. 17.174 square centimeters
102. Nick drew a parallelogram with a base of 9.9 centimeters and a height of 6.5 centimeters.

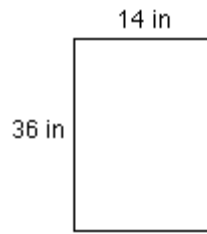
What is the area of Nick's parallelogram?

- A. 16.4 square centimeters  
B. 643.5 square centimeters  
C. 164 square centimeters  
D. 64.35 square centimeters
103. Find the area of the following figure.



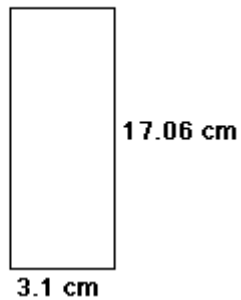
- A. 136 square feet  
B. 25 square feet  
C. 50 square feet  
D. 100 square feet

104. What is the area of this figure?



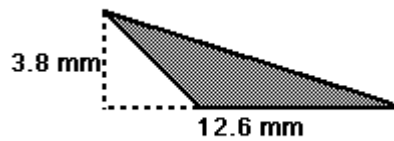
- A. 50 square inches
- B. 100 square inches
- C. 504 square inches
- D. 252 square inches

105. Find the area:



- A. 80.64 square centimeters
  - B. 52.886 square centimeters
  - C. 40.32 square centimeters
  - D. 26.443 square centimeters
106. What is the height of a rectangle that has an area equal to 30.25 square meters and a width equal to 5.5 meters?
- A. 15.125 meters
  - B. 24.75 meters
  - C. 5.5 meters
  - D. 2.75 meters

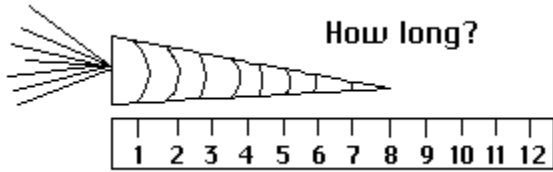
107. Find the area.



HINT:  $A = \frac{1}{2} \times b \times h$

- A. 8.2 square millimeters
  - B. 47.88 square millimeters
  - C. 95.76 square millimeters
  - D. 23.94 square millimeters
108. What is the 8th month of the year?
- A. July
  - B. October
  - C. August
  - D. September
109. 1 hour = \_\_\_\_\_ minutes
- A. 100
  - B. 50
  - C. 30
  - D. 60
110. Which of the following would you use to measure water?
- A. a ruler
  - B. a thermometer
  - C. a scale
  - D. a beaker

111.



- A. 5 units
- B. 7 units
- C. 4 units
- D. 8 units

112.  $4.5 \text{ hm} = \underline{\quad} \text{ m}$

- A. 450
- B. 45
- C. 4,500
- D. 0.45

113. Which of the following is the best estimate for how much a paper clip weighs?

- A. 100 milligrams
- B. 9000 grams
- C. 5000 kilograms
- D. 400 pounds

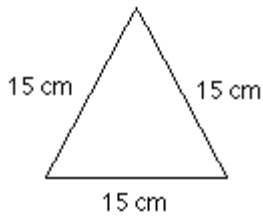
114. How many liters are equal to 964 milliliters?

- A. 96.4 liters
- B. 964 liters
- C. 0.964 liters
- D. 9.64 liters

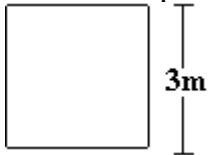
115.  $0.5 \text{ ton} = \underline{\quad} \text{ g}$

- A. 0.005
- B. 5
- C. 5,000
- D. 500,000

116. What is the perimeter of this triangle?



- A. 15 cm
  - B. 30 cm
  - C. 45 cm
  - D. 225 cm
117. What is the perimeter of the square?

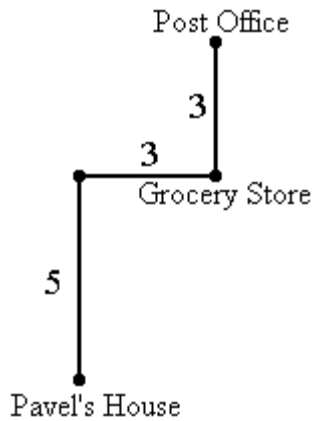


- A. 12 m
  - B. 9 m
  - C. 15 m
  - D. 3 m
118. Sunjung and Dave built a square sandbox for the neighborhood kids. One side of the sandbox is 15 feet long.

What is the perimeter of the sandbox?

- A. 60 feet
  - B. 225 feet
  - C. 120 feet
  - D. 45 feet
119. Which instrument would be best to use to measure the length of your couch?
- A. a ruler
  - B. a yardstick
  - C. a tape measure
  - D. a protractor

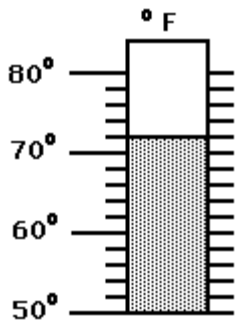
120.



Pavel walked 8 blocks from his house to the grocery store and then 3 blocks to the post office. Afterwards, he turned around and went home the same way. How many blocks did Pavel walk?

- A. 5 blocks
- B. 24 blocks
- C. 11 blocks
- D. 22 blocks

121. What temperature does the thermometer show?



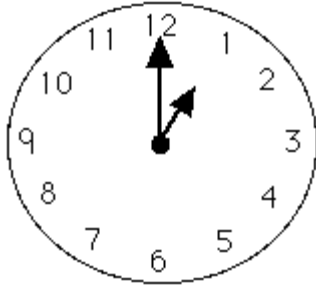
- A. 72° F
- B. 71° F
- C. 70° F
- D. 89° F

122. On Tuesday, the low temperature was  $-6^{\circ}\text{C}$  and the high temperature was  $5^{\circ}\text{C}$ .

What was the temperature range for Tuesday?

- A.  $11^{\circ}\text{C}$
- B.  $1^{\circ}\text{C}$
- C.  $-1^{\circ}\text{C}$
- D.  $30^{\circ}\text{C}$

123. What time is it?



- A. 1:00
- B. 12:01
- C. 5:12
- D. 12:05

124. Which of the following is the same as 2:56?

- A. 4 minutes to 3
- B. 4 minutes after 3
- C. 56 minutes after 3
- D. 56 minutes to 2

125. Frank waited in line for 231 minutes.

How many hours did Frank wait in line?

- A. 3 hours
- B. 2 hours 31 minutes
- C. 3 hours 9 minutes
- D. 3 hours 51 minutes

126. 
$$\begin{array}{r} 6 \text{ h } 57 \text{ min} \\ + 4 \text{ h } 24 \text{ min} \\ \hline \end{array}$$

- A. 10 hours and 21 minutes
- B. 11 hours and 21 minutes
- C. 12 hours and 21 minutes
- D. 9 hours and 21 minutes

127. Which of the following statements is true?

- A. 6 inches = 1/2 foot
- B. 50 centimeters = 5 meters
- C. 12 inches = 1 yard
- D. 1 yard = 10 meters

128. Convert 89 inches to yards.

- A. 2 yards
- B. 2 yards and 17 inches
- C. 29 yards and 6 inches
- D. 53 yards

129. Solve:

$$9.63 \text{ m} = \underline{\quad} \text{ cm}$$

Hint:

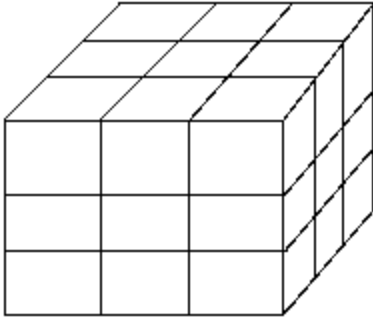
- 1 meter = 10 decimeters (dm)
- 1 meter = 100 centimeters (cm)
- 1 meter = 1,000 millimeters (mm)

- A. 963
- B. 9.63
- C. 96,300
- D. 9,630

130. 
$$\begin{array}{r} 3 \text{ yd} \quad 1 \text{ ft} \quad 8 \text{ in} \\ +2 \text{ yd} \quad 2 \text{ ft} \quad 2 \text{ in} \\ \hline \end{array}$$

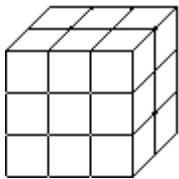
- A. 8 ft 10 in
- B. 5 yd 3 ft
- C. 6 yd 10 in
- D. 6 yd 18 in

131. What is the volume of this figure?



- A. 27 cubic units
- B. 14 cubic units
- C. 18 cubic units
- D. 29 cubic units

132. Find the volume of this figure.



- A. 9 cubic units
- B. 18 cubic units
- C. 15 cubic units
- D. 27 cubic units

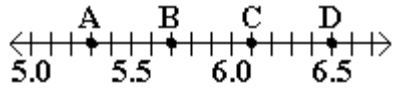
133. Find another way to write  $\frac{1}{4}$ .

- A. 0.04
- B. 2.5
- C. 0.4
- D. 0.25

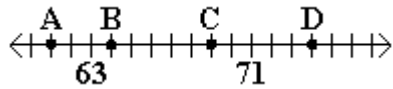
134. Which of the following is another way to write 6.23?

- A.  $\frac{623}{10}$
- B.  $6\frac{223}{10}$
- C.  $6\frac{23}{10}$
- D.  $6\frac{23}{100}$

135. Use the following number line to choose the point that is at 5.7.



- A. A  
B. B  
C. C  
D. D
136. What is the difference between point C and point A?



- A. 7  
B. 8  
C. 68  
D. 60
137. Estimate by rounding to the nearest ten. What numbers should you use to estimate  $43 + 27$ ?

- A.  $40 + 20$   
B.  $30 + 30$   
C.  $40 + 30$   
D.  $30 + 20$
138. What is 5,251 rounded to the nearest hundred?
- A. 5,000  
B. 5,200  
C. 5,300  
D. 5,250
139. What is the estimated difference when 3,225 is subtracted from 8,961? Round to the nearest thousand and then subtract.
- A. 5,700  
B. 5,800  
C. 5,000  
D. 6,000

140. Which word best describes the following numbers?

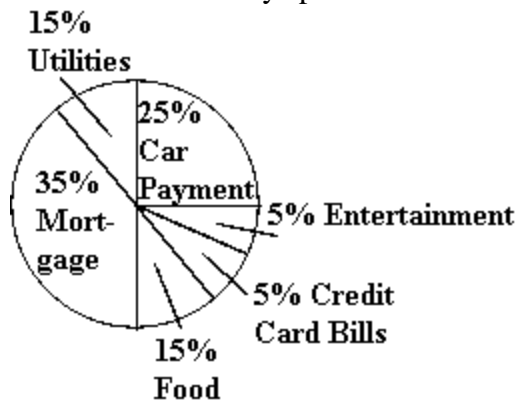
$$\frac{2}{9}, \frac{7}{4}, 2.14, 7.99$$

- A. Integers
- B. Real numbers
- C. Irrational numbers
- D. Whole numbers

141. Pedro opened a new checking account with \$100.00. Since then he has made 3 deposits of \$476.99, \$15.00, and \$23.65. Pedro has also written 2 checks for \$41.29 and \$36.14. How much money is in his checking account now?

- A. \$538.21
- B. \$523.36
- C. \$610.49
- D. \$595.64

142. If the Roberts family spends \$250.00 on their car payment, what is their monthly income?



- A. \$2,500.00
- B. \$1,000.00
- C. \$62.50
- D. \$1,666.67

143. Angela's allowance is \$70.00 a month. Usually, she goes to the movies 4 times a month for \$7.75 each time and she goes out to eat about 5 times and spends \$6.50 each time. How much money does she have left for other things?

- A. \$55.75
- B. \$5.25
- C. \$6.50
- D. Angela does not have enough money to do all of these things.

**144.**     697  
      + 243

**A.**     941  
**B.**     940  
**C.**     831  
**D.**     310

**145.**     146  
      27  
     + 99

**A.**     1,163  
**B.**     515  
**C.**     272  
**D.**     152

**146.**     69  
      1  
     56  
     + 9

**A.**     125  
**B.**     115  
**C.**     225  
**D.**     135

**147.**     10  
     + 1

**A.**     10  
**B.**     9  
**C.**     11  
**D.**     101

**148.**     13  
     + 28

**A.**     41  
**B.**     40  
**C.**     31  
**D.**     30

- 149.** Martin had 49 comic books.  
He bought 12 more at the store.

How many comic books does Martin have now?

- A. 72 comic books
- B. 61 comic books
- C. 58 comic books
- D. 50 comic books

- 150.** On Monday night, Jocelyn's mother baked 98 chocolate chip cookies. On Tuesday night, Jocelyn's mother baked 144 peanut butter cookies.

How many cookies did Jocelyn's mother bake in all?

- A. 1,124 cookies
- B. 232 cookies
- C. 132 cookies
- D. 242 cookies

- 151.** Dwayne works sealing envelopes after school. The first month, he sealed 988 envelopes. The second month, he sealed 1,247 envelopes. The third month, he sealed 10,467 envelopes.

How many envelopes did Dwayne seal in his first three months of work?

- A. 11,582 envelopes
- B. 12,702 envelopes
- C. 23,925 envelopes
- D. 11,692 envelopes

- 152.** Fritz found 763 insects in his backyard. He found 1,278 insects at the park. He found 9,623 insects at the lake.

How many insects did Fritz find in all?

- A. 2,289 insects
- B. 2,041 insects
- C. 11,664 insects
- D. 11,676 insects

153.  $3\overline{)651}$

- A. 217
- B. 216 R1
- C. 320 R1
- D. 216 R2

154.  $45\overline{)963}$

- A. 21
- B. 22 R1
- C. 21 R18
- D. 22

155.  $18 \div 2 =$

- A. 20
- B. 9
- C. 6
- D. 8

156.  $6\overline{)50}$

- A. 8 R2
- B. 8 R1
- C. 7 R5
- D. 7 R2

157. Start with 96 books. Put 4 books in each backpack.

How many backpacks?

- A. 48 backpacks
- B. 20 backpacks
- C. 22 backpacks
- D. 24 backpacks

**158.** Jenson bought 56 cans of dog food. Seven dogs ate the same number of cans of dog food.

How many cans of food were left over?

- A. 1 can
- B. 7 cans
- C. 8 cans
- D. 0 cans

**159.** There are 450 people going to the concert. There are 18 rows of chairs.

How many chairs are in each row?

- A. 26 chairs
- B. 26 R8 chairs
- C. 25 chairs
- D. 25 R3 chairs

**160.**  $(72 + 2,330 + 517) - (852 - 62) =$

- A. 2,919
- B. 3,709
- C. 1,019
- D. 2,129

**161.**  $18,670 \div (2 \times 5) =$

- A. 18,670
- B. 186
- C. 180,670
- D. 1,867

**162.** 
$$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$$

- A. 140
- B. 14
- C. 104
- D. 40

163.  $9 \times 6 =$

- A. 54
- B. 15
- C. 3
- D. 48

164. 
$$\begin{array}{r} 43 \\ \times 7 \\ \hline \end{array}$$

- A. 50
- B. 2821
- C. 281
- D. 301

165.  $896 \times 55 =$

- A. 8,960
- B. 44,800
- C. 49,225
- D. 49,280

166. Shania has 3 boxes of pencils.  
Each box has 5 pencils.

How many pencils in all?

- A.  $3 + 5 = 8$
- B.  $3 \times 5 = 15$
- C.  $3 + 3 + 3 + 3 = 12$
- D.  $5 + 5 = 10$

167. Joy Ann went skateboarding twice a day for 57 days.

How many times did she go skateboarding?

- A. 57 times
- B. 59 times
- C. 114 times
- D. 104 times

**168.** Herb's fish store has 22 aquariums. Each aquarium contains 17 fish.

How many fish are there in all?

- A. 374 fish
- B. 234 fish
- C. 346 fish
- D. 414 fish

**169.** Complete the pattern.

13, 15, 17, \_\_, \_\_, \_\_

- A. 19, 20, 21
- B. 18, 19, 20
- C. 19, 21, 23
- D. 18, 20, 22

**170.** Which one is 7, 530?

- A. seven thousand five thirty
- B. seven and five hundred and thirty
- C. seven thousand five hundred fifty
- D. seven thousand five hundred thirty

**171.** Show how to read the number: 412,001

- A. 412 thousand, 1
- B. 412 hundred-thousand, 1
- C. 412 thousand, 1 hundred
- D. 412 hundred-thousand, 1 hundred

**172.** Find the correct way to count by 2's.

- A. 1, 2, 3, 4, 5, 6, 7
- B. 2, 4, 6, 8, 10, 12
- C. 2, 3, 6, 7, 10, 11
- D. 2, 6, 9, 10, 14, 16

173.  $700 - 269 =$

- A. 441
- B. 341
- C. 431
- D. 969

174. 
$$\begin{array}{r} 18 \\ - 2 \\ \hline \end{array}$$

- A. 16
- B. 6
- C. 15
- D. 5

175. 
$$\begin{array}{r} 83 \\ - 57 \\ \hline \end{array}$$

- A. 29
- B. 33
- C. 26
- D. 38

176. Choose the word name for 54.

- A. forty-five
- B. five-four
- C. five tens forty
- D. fifty-four

177. Which numeral goes with the number: 5 hundred 8?

- A. 580
- B. 508
- C. 5,080
- D. 805