4th math review
11/28/2004

Student Name: _____

Class: _____

Date: _____

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

1. Use the given rule to complete the table.

Rule:
Divide by 2, then subtract 10.

A	B
100	40
110	45
140	60
180	?

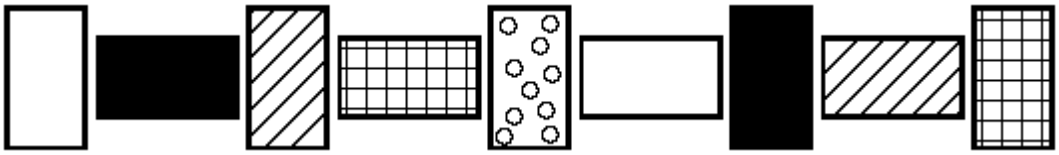
A. 16
B. 80
C. 20
D. 90

2. Find the missing number.

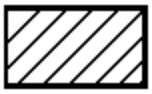
5.6, 5.8, ?, 6.2, 6.4

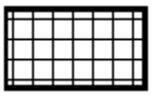
A. 5.9
B. 6.1
C. 6.0
D. 6.2

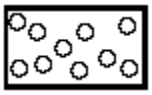
3. Which figure would come next in the pattern?



A. 

B. 

C. 

D. 

4. Which series of shapes would come next in the pattern?

A. 

B. 

C. 

D. 

5. Kaya wants to check the answer to one of her homework problems. Her work is below.

$$8 \times 7 = 56$$

Which number sentence can she use to check her work?

A. $56 \div 7 = 8$
B. $8 + 7 = 15$
C. $56 - 7 = 49$
D. $56 \times 7 = 392$

6. The baseball game was tied. Jose hit 2 home runs and got on base 4 times. Steve hit 1 home run and got on base 2 times. How many home runs were hit in all ?

A. 3 home runs
B. 2 home runs
C. 1 home run
D. 6 home runs

7. Shantel is having a birthday party. She bought 27 party hats, 32 horns, and 12 candles. How many hats and horns did Shantel buy?

A. 71 hats and horns
B. 39 hats and horns
C. 44 hats and horns
D. 59 hats and horns

8. What is the missing DIGIT?

$$\begin{array}{r} 23 \\ +1\square \\ \hline 35 \end{array}$$

A. 4
B. 0
C. 1
D. 2

9. Complete the number sentence.

120 ÷ ? = 60

A. 180
B. 60
C. 2
D. 20

10. Fran sells fruit. Isabell bought 4 oranges and 2 apples. Kurt bought 5 oranges and 6 apples. How many pieces of fruit did Fran sell in all?

A. 6 pieces of fruit
B. 11 pieces of fruit
C. 9 pieces of fruit
D. 17 pieces of fruit

11. Complete the number pattern.

11, 9, 7, 5, _____

A. 3
B. 2
C. 4
D. 1

12. Find the missing number in the pattern.

36, 31, 27, 22, 18, _____, 9, 4

A. 13
B. 8
C. 10
D. 15

13. Replace the ? with a plus (+) or a minus (-) sign.

2 ? 3 = 5

A. +
B. -

14. What symbol completes the number sentence?

2 ? 3 = 6

A. ÷
B. +
C. -
D. x

15. What is the missing number?

$2+3=\square+2$

A. 5
B. 3
C. 4
D. 2

16. What number completes the number sentence?

18 x ? = 18

A. 1
B. 0
C. 18
D. 9

17. What number completes this number sentence?

$64 \div 8 = ?$

A. 7
B. 9
C. 8
D. 3

18. Complete the sequence.

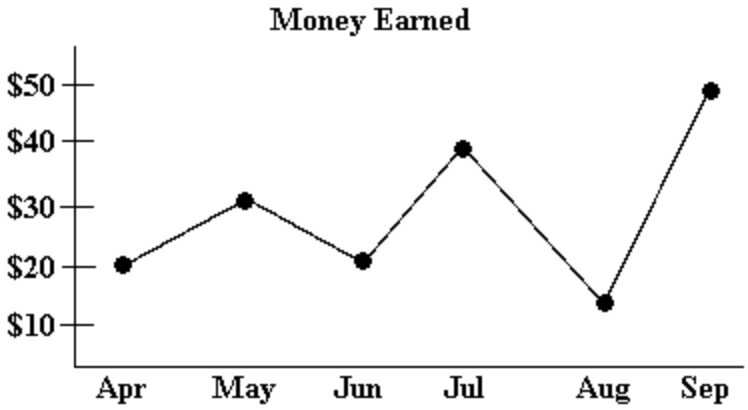
8, 12, 16 ___, 24, 28

A. 20
B. 18
C. 22
D. 14

19. Average the following numbers: 225, 171, 198, 189, 135, 252, 180, 144, 180.

A. 171
B. 1,674
C. 186
D. 166

20. Use the line graph to answer the question.



In which months did Teesa earn the same amount of money?

A. July and September
B. May and July
C. June and August
D. April and June

21. Use the line graph to answer the question.

In which year were the most magazines sold?

A. 1988
B. 1989
C. 1991
D. 1993

22. 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

23. Mr. and Mrs. Jenkins are decorating the living room. They can use blue, grey, or white wall paper and yellow, rose, or aqua paint.

How many different wall paper and paint combinations can Mr. and Mrs. Jenkins make?

A. 6 combinations
B. 9 combinations
C. 27 combinations
D. 3 combinations

24. If you were to draw a playing card from a standard deck, what is the probability of drawing an ace?

A. 1/4
B. 3/26
C. 1/52
D. 1/13

25. There are 5 green balls, 2 orange balls, 4 purple balls, and 1 pink ball in a bucket. You pick 1 ball from the bucket (without peeking).

What is the probability that you will pick a purple ball?

A. 4
B. 1/3
C. 1/6
D. 1/12

26. Use the table to answer the question.

Students	Number of sit-ups	Number of chin-ups	Number of push-ups
Allysa	5	2	3
Bobby	6	1	5
Don	7	5	6
Elaine	4	7	2
Franco	2	6	7

Who can do the most push-ups?

A. Franco
B. Bobby
C. Don
D. Carla

27. Use the table to answer the question.

PLAYER NAME	SHIRT NUMBER
Sunjung Lee	21
Marin Tyler	15
Hector Parza	11
Lora Mulligan	36
Art Rodnell	16
George Summan	32

What is Marin Tyler's shirt number?

A. 32
B. 15
C. 21
D. 36

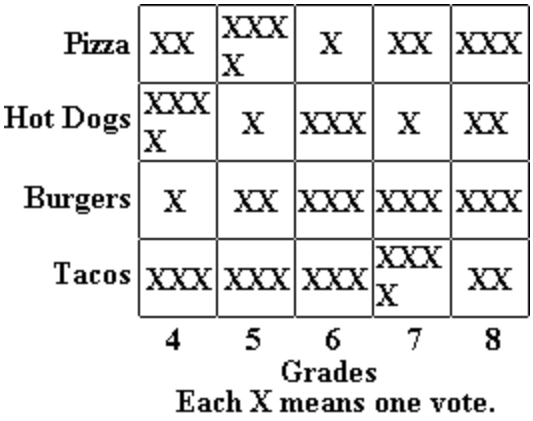
28. Use the information in the table to answer the question.

Name	Age	Height	Weight
Kendra	11	48 in.	78 lbs.
Lance	10	47 in.	81 lbs.
Rick	11	51 in.	84 lbs.
David	9	45 in.	72 lbs.

If Kendra and David were a team, what would their total height be?

A. 3 in.
B. 95 in.
C. 1 in.
D. 93 in.

29. Students from the fourth through eighth grades were asked to vote on their favorite foods. Use the chart to answer the question.



How many more votes did tacos get from the seventh grade than from the fourth grade?

A. seven votes
B. four votes
C. one vote
D. two votes

30.
```
  63.01
+ 15.99
```

A. 78.100
B. 79
C. 79.1
D. 78.01

31.
```
  3.11
+ 2.66
```

A. 6.77
B. 5.66
C. 5.77
D. 6.66

32.
```
  5.51
+ 3.49
```

A. 8.910
B. 9.0
C. 9.99
D. 8.90

33. Gilbert ate 1.5 pies on Monday. He ate 2.3 pies on Wednesday.

How many pies has Gilbert eaten in all?

A. 0.80 pies
B. 24.5 pies
C. 3.8 pies
D. 0.38 pies

34. Ethan fed his frog 3.121 grams of Froggie Snacks before he left for school. After school, Ethan fed his frog 2.9852 grams of Froggie Snacks.

How many grams of Froggie Snacks did Ethan feed to his frog?

A. 0.1358 grams
B. 6.1062 grams
C. 9.3168 grams
D. 3.2973 grams

35. The Recycling Company collected 230.45 tons of aluminum cans, 78.898 tons of newspaper, and 502.609 tons of glass bottles. How many tons of recycling was collected?

A. 5945.52 tons
B. 8119.57 tons
C. 594.552 tons
D. 811.957 tons

36.
```
   98.6798
+  22.9071
```

A. 12158.690
B. 121.5869
C. 119.5769
D. 111.05859

37.
```
  3.598
+ 0.004
```

A. 7.598
B. 3.998
C. 3.638
D. 3.602

38.
```
   671.47263
    38.321
+ 147.5793
```

A. 746.26293
B. 857.37293
C. 857.37305
D. 746.26205

39. Choose <, >, or = to replace the question mark (?).

8.53 ? 8.54

A. >
B. <
C. =

40. Which group of decimals is ordered from least to greatest?

A. 3.001 3.010 3.0001
B. 1.109 1.099 1.9999
C. 9.301 9.302 9.2038
D. 6.002 6.020 6.2000

41. Calvin had 3 quarters, 8 dimes, 6 nickels and 9 pennies. He gave Julie 57¢ .

How much money does Calvin have now?

A. $2.51
B. $1.94
C. $1.37
D. $55.06

42.
```
0.037
 x  9
```

A. 0.333
B. 0.073
C. 0.324
D. 0.084

43.
```
   5.22
X  0.06
```

A. 0.03132
B. 3.132
C. 0.3132
D. 31.32

44. Eggs cost $.23 each. I bought 6 of them.

How much did I spend on eggs?

A. $138.00
B. $121.80
C. $12.18
D. $1.38

45.
```
  4.901
x 0.345
```

A. 1.690845
B. 58,812
C. 0.058812
D. 1,690,845

46. Cliff spent $368.16 on hats. Each hat cost $6.24. How many hats did Cliff buy?

A. 374.4 hats
B. 59 hats
C. 5.9 hats
D. 37 hats

47. Leigh has 7.4 feet of paper streamer tied to her belt. If she steps on the streamer and 2.6 feet are ripped off, how many feet of streamer will she have?

A. 10.0 feet
B. 9.0 feet
C. 5.2 feet
D. 4.8 feet

48.
```
  3.02
-  0.88
```

A. 3.9
B. 214
C. 3.910
D. 2.14

49.
```
  1.5
- 1.2
```

A. 5.2
B. 0.3
C. 1.0
D. 0.10

50.
```
  7.3
- 2.7
```

A. 4.6
B. 10.0
C. 9.4
D. 5.0

51. Amber and Ray like to climb trees.
Amber climbs her favorite tree which is 15.7 meters tall.
Ray climbs his favorite tree which is 11.9 meters tall.

How much higher does Amber climb?

A. 3.8 meters
B. 14.2 meters
C. 13.18 meters
D. 2.2 meters

52. Beth Ann's father gave her $650.76 for spring vacation. She spent $498.99 on air fare.

How much money does Beth Ann have left for the rest of her vacation?

A. $151.77
B. $262.87
C. $152.87
D. $1149.75

53. Keegan bought 2.346 pints of ladybugs. This morning he released 1.173 pints of the ladybugs into his garden.

How many pints of ladybugs does Keegan have left?

A. 117.3 pints
B. 3.519 pints
C. 1.173 pints
D. .273 pints

54. 5.65 - 1.269 =

A. 4.381
B. 4.399
C. 4.491
D. 6.919

55.

$$\begin{array}{r} \frac{7}{10} \\ +\frac{1}{10} \\ \hline \end{array}$$

A. $\frac{8}{10}$

B. $\frac{6}{10}$

C. $\frac{8}{20}$

D. $\frac{7}{100}$

56. Which of the following statements is true?

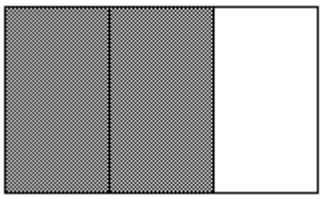
A. $\frac{2}{8} > \frac{3}{5}$

B. $\frac{3}{4} > \frac{2}{3}$

C. $\frac{5}{8} = \frac{7}{10}$

D. $\frac{2}{6} < \frac{1}{5}$

57. What fraction of the rectangles are shaded?



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

B. $\frac{2}{3}$

C. $\frac{1}{2}$

D. $\frac{2}{5}$

58. Choose the lowest terms fraction that shows the number of squares shaded.

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

B. $\frac{1}{8}$

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

D. $\frac{3}{8}$

59.

$$\begin{array}{r} \frac{2}{5} \\ -\frac{2}{5} \\ \hline \end{array}$$

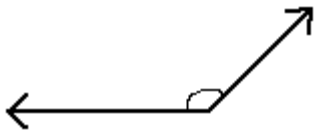
A. 0

B. $\frac{4}{25}$

C. $\frac{2}{5}$

D. $\frac{4}{5}$

60. Identify the angle.

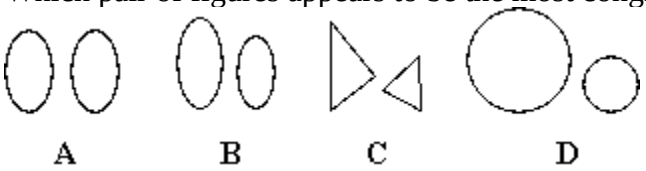


A. obtuse angle
B. acute angle
C. right angle

61. Which of the following is the measure of a right angle?

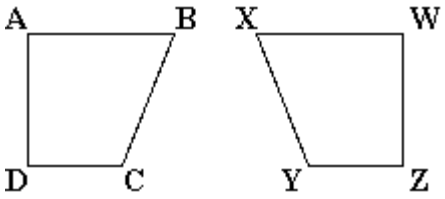
A. 180º
B. 90º
C. 0º
D. 45º

62. Which pair of figures appears to be the most congruent?



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

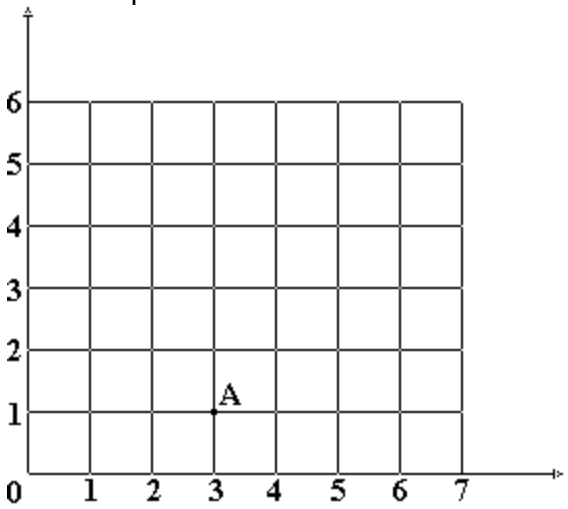
63. Fill in the blank.
Quadrilaterals ABCD and WXYZ are congruent.



Segment BC is congruent to segment _____.

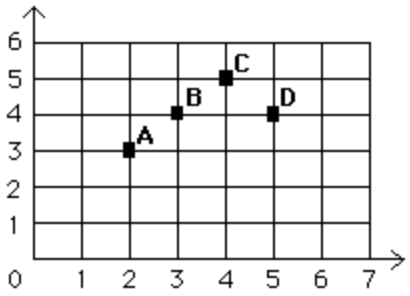
A. XY
B. WZ
C. CD
D. AD

64. Where is point A?



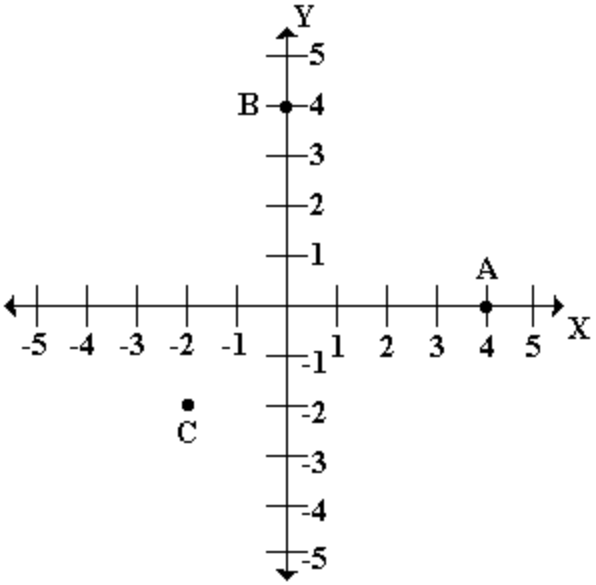
A. over 3, up 1
B. over 3, up 0
C. over 1, up 3
D. over 4, up 2

65. What letter names the ordered pair (3, 4)?



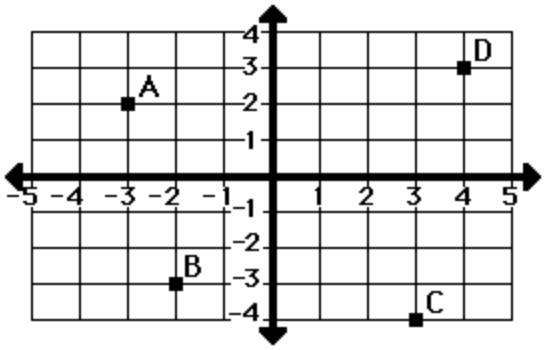
A. A
B. B
C. C
D. D

66. What are the coordinates of point B?



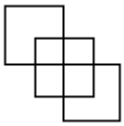
A. (0, 4)
B. (0, -4)
C. (4, 0)
D. (-4, 0)

67. What letter is at point (-3, 2)?



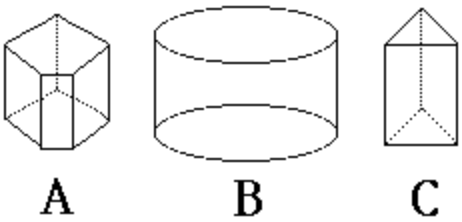
A. A
B. B
C. C
D. D

68. How many boxes are there in this figure?



A. 4
B. 7
C. 3
D. 6

69. Which figure is a cylinder?



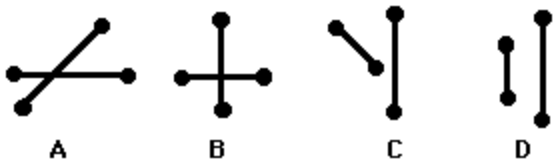
A. A
B. B
C. C
D. none of the above

70. Fill in the blank.

A flat surface of a solid figure is called a _____.

A. vertex
B. face
C. point
D. line segment

71. Which set of line segments is parallel?



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

72. Fill in the blank.

A trapezoid is a polygon with _____.

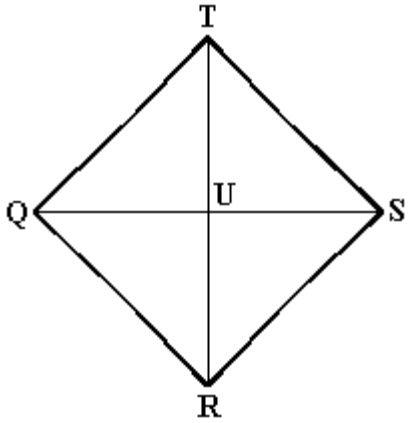
A. four congruent sides
B. exactly one pair of parallel sides
C. four right angles
D. three sides and angles

73. Fill in the blank.

A _____ is a parallelogram that has four congruent sides.

A. nonagon
B. quadrilateral
C. trapezoid
D. rhombus

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



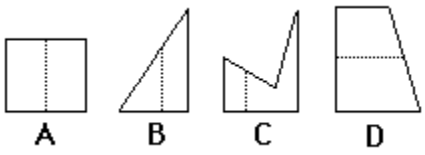
How long is segment US?

A. 50 meters
B. 100 meters
C. 25 meters
D. Information not provided.

75. Choose the coordinates of the point that is the reflection over the x-axis of the point A (5, -1).

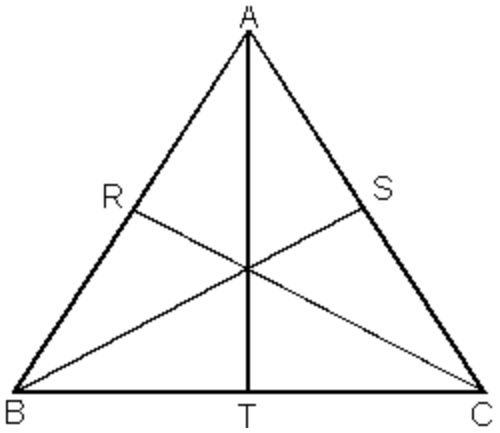
A. (5, 1)
B. (-5, 1)
C. (-5, -1)
D. (5, -1)

76. Which of the following figures shows a line of symmetry?



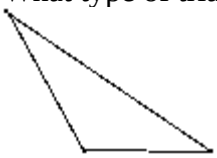
A. A
B. B
C. C
D. D

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



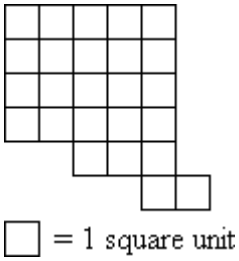
A. AT, BS
B. AT, RC
C. AT, BS, RC
D. BS, RC

78. What type of triangle is pictured below?



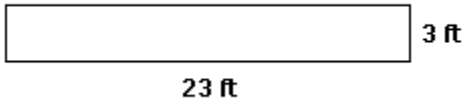
A. equilateral triangle
B. right triangle
C. isosceles triangle
D. obtuse triangle

79. Find the area of this figure in square units.



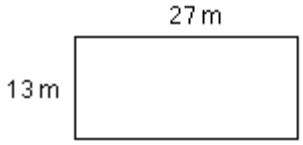
A. 20 square units
B. 23 square units
C. 24 square units
D. 25 square units

80. Find the area of the following figure.



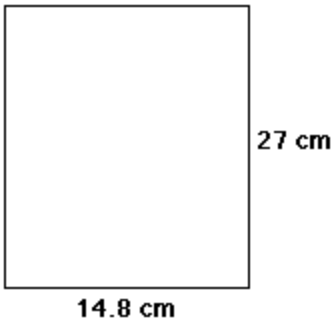
A. 26 square feet
B. 69 square feet
C. 52 square feet
D. 676 square feet

81. What is the area of this figure?



A. 80 square meters
B. 160 square meters
C. 40 square meters
D. 351 square meters

82. Find the area:



A. 83.6 square centimeters
B. 41.8 square centimeters
C. 199.8 square centimeters
D. 399.6 square centimeters

83. Use the calendar to answer the question.

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
				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	26	27	28	29	30	31

The debate team meets the third Thursday of each month.

On what date will they meet this month?

A. 15th
B. 8th
C. 22nd
D. 29th

84. 120 minutes = _____ hours

A. 6
B. 10
C. 3
D. 2

85. 5,280,000 ft = _?_ miles

A. 10
B. 1,000
C. 100
D. 10,000

86. Which of the following items is most likely measured in pounds?

A. the weight of child
B. juice in a glass
C. snow on the ground
D. the weight of a truck

87. Solve:

23 L = ? mL

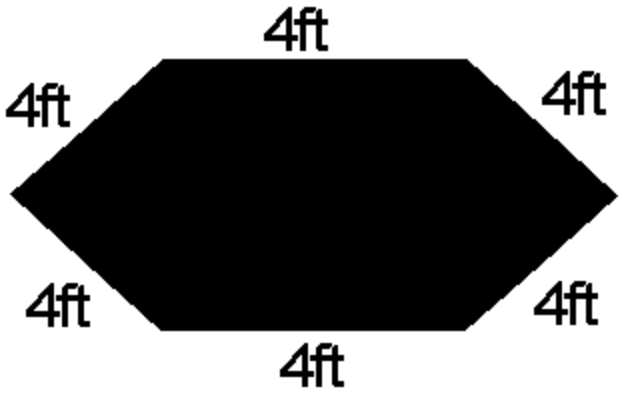
```
Hint:
     1 kiloliter (kL) = 1,000 liters (L)
     1 liter (L) = 1,000 milliliters (mL)
```

A. 0.023
B. 23,000
C. 2,300
D. 0.23

88. Which of the following is the best estimate for how much a person weighs?

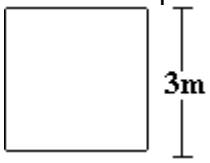
A. kilograms
B. milligrams
C. grams
D. decigrams

89. What is the perimeter of this hexagon?



A. 24 ft
B. 20 ft
C. 16 ft
D. 23 ft

90. What is the perimeter of the square?

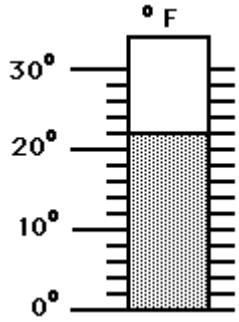


A. 12 m
B. 9 m
C. 15 m
D. 3 m

91. Winona is preparing to close the neighborhood pool for the winter. She needs to buy a new pool cover for the top of the pool. The pool is rectangular with a length of 50 meters and a width of 20 meters. What is the area of the top of the pool?

A. 140 square meters
B. 1,000 square meters
C. 70 square meters
D. 30 square meters

92. What temperature does the thermometer show?



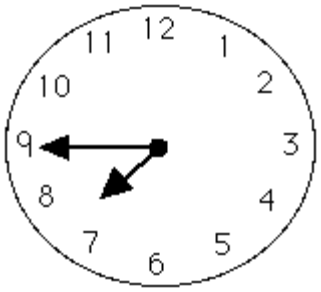
A. 20º F
B. 21º F
C. 22º F
D. 23º F

93. At three o'clock this morning, the temperature outside was -8º C. By nine o'clock in the morning, the temperature had risen 11 degrees.

What was the temperature at nine o'clock in the morning?

A. -19º C
B. 19º C
C. 3º C
D. -3º C

94. What time is it?



A. 8:15
B. 8:09
C. 9:08
D. 7:45

95. Use the clock to answer the question.

What time will it be in 3 hours?

A. 4:55
B. 2:55
C. 5:55
D. 1:55

96. Norm talked on the phone for 81 minutes.

How many seconds did Norm talk on the phone?

A. 141 seconds
B. 21 seconds
C. 135 seconds
D. 4,860 seconds

97. Which of the following statements is true?

A. 3 yards = 108 inches
B. 12 inches = 1 meter
C. 4 feet = 1 yard
D. 3 inches = 1 yard

98. Bryan ran 90 feet.

How many yards did Bryan run?

A. 90 yards
B. 30 yards
C. 45 yards
D. 270 yards

99. Solve:

? mm = 4.1 km

Hint:
1 kilometer (km) = 1,000 meters (m)
1 hectometer (hm) = 100 meters
1 dekameter (dam) = 10 meters
1 meter = 10 decimeters (dm)
1 meter = 100 centimeters (cm)
1 meter = 1,000 millimeters (mm)

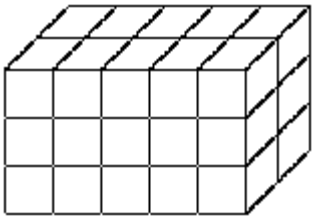
A. 41
B. 0.041
C. 4,100,000
D. 4,000,000,001

100.

```
  4 ft     8 in
- 1 ft    11 in
```

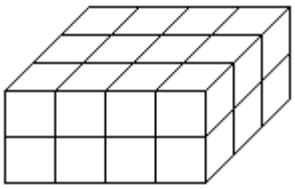
A. 3 ft 1 in
B. 2 ft 1 in
C. 3 ft 9 in
D. 2 ft 9 in

101. What is the volume of this figure?



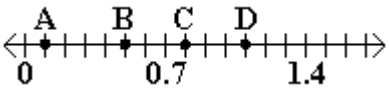
A. 28 cubic units
B. 31 cubic units
C. 15 cubic units
D. 30 cubic units

102. Find the number of cubic units in the figure.



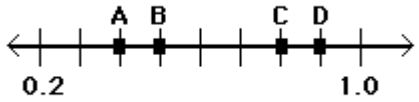
A. 48 cubic units
B. 12 cubic units
C. 36 cubic units
D. 24 cubic units

103. On the following number line, what is the difference between point D and point C?



A. 2
B. 0.2
C. 3
D. 0.3

104. What number names the point marked by A on the number line?



A. 0.5
B. 1.0
C. 0.4
D. 0.9

105. Round 352 to the nearest ten.

A. 345
B. 350
C. 453
D. 450

106. What is 27,643 rounded to the nearest thousand?

A. 28,000
B. 27,600
C. 27,000
D. 28,600

107. Which of the following formulas would you use to estimate 5.17 + 9.82 to the nearest tenth?

A. 5.1 + 9.8
B. 5.2 + 9.9
C. 5.2 + 9.8
D. 5.1 + 9.9

108. A pool is 14 feet wide, 30 feet long, and 6.5 feet deep. Estimate the area of the bottom of the pool.

A. 40.5 square feet
B. 88 square feet
C. 420 square feet
D. 101 square feet

109. During a basketball game, Delven scored 39 points for his team.
Ryan scored 35 points for the same team.

How many points did Delven and Ryan score for their team?

A. 97 points
B. 62 points
C. 74 points
D. 59 points

110. Alyssa picked 567 strawberries for jam. Megan picked 893 strawberries.

What is the total number of strawberries they picked?

A. 1,559 strawberries
B. 1,460 strawberries
C. 1,430 strawberries
D. 1,350 strawberries

111. Ms. Gretchen's class sold 5,987 calendars in June. They sold 7,907 calendars in July. They sold 2,897 calendars in August.

What is the total number of calendars the class sold?

A. 14,671 calendars
B. 15,781 calendars
C. 14,781 calendars
D. 16,791 calendars

112. Janet works at a shoe store. She sold 2,457 sneakers on Sunday, 6,532 sneakers on Monday, and 5,239 sneakers on Tuesday.

How many sneakers did she sell in all?

A. 14,228 sneakers
B. 8,989 sneakers
C. 11,771 sneakers
D. 13,118 sneakers

113. Which of the following statements is true?

A. 968,800 > 986,700
B. 29,456 = 24,956
C. 802,445 < 820,445
D. 12,980 < 12,098

114. 20 ÷ 5 =

A. 15
B. 25
C. 4
D. 10

115. Begin with 74 pairs of scissors. Put two in each box.

How many boxes?

A. 37 boxes
B. 74 boxes
C. 40 boxes
D. 38 boxes

116.
```
  10
x 2
```

A. 10
B. 5
C. 12
D. 20

117.
```
   3
x 4
```

A. 12
B. 34
C. 7
D. 14

118. Jana went swimming every week for 6 weeks.
She swam 3 laps every week.

How many laps did Jana swim in all?

A. 6 x 3 = 18
B. 3 + 3 + 3 = 9
C. 3 + 6 = 9
D. 6 x 6 = 36

119. Leon participated in a swimming marathon. For every lap completed, he earned 8 points. He completed 376 laps.

How many points did he earn?

A. 384 points
B. 2,468 points
C. 3,008 points
D. 8,888 points

120. Ms. Kosoff had 47 students in her art class. She wanted to give each of them 27 paints.

How many paints would Ms. Kosoff need?

A. 423 paints
B. 74 paints
C. 4,230 paints
D. 1,269 paints

121. Complete the pattern.

10, 12, 14, _, _, _

A. 15, 16, 17
B. 16, 17, 18
C. 16, 18, 20
D. 15, 17, 19

122. Show how to read the number: 722

A. seven hundred twenty
B. seven hundred twenty-two
C. seven-two-two
D. seventy twenty-two

123. Show how to read the number: 5,333

A. 5 thousand, 333
B. 5 thousand, 333 hundred
C. 53 thousand, 33
D. 5 thousand, 33 hundred, 3

124. Find the correct way to count by 3's.

A. 3, 6, 9, 12, 15, 18
B. 3, 4, 5, 6, 7, 8, 9, 10
C. 3, 9, 12, 18, 24, 29
D. 3, 5, 7,1 0, 12, 15

125. Choose the word name for 212.

A. twenty-one twelve
B. two hundred one-two
C. twenty-twelve
D. two hundred twelve

126. Which numeral goes with the number: 9 million 536 thousand?

A. 9,530,006
B. 9,536,000
C. 953,600
D. 9,053,600