

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

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

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

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

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

A	B
4	40
8	80
10	100

Which number sentence shows that rule?

- A.  $A \div 10 = B$
- B.  $A + 100 = B$
- C.  $A \times 10 = B$
- D.  $A \times 100 = B$

2. 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

3. Use the given rule to complete the table.

**Rule: Divide by 2, then add 2.**

A	B
8	6
10	7
16	?

- A. 16  
B. 15  
C. 24  
D. 10
4. The Smith family was on vacation. They had 2 months to complete their journey. They drove 50 miles on the first day. By the end of the first month, they had driven 1,500 miles. They wanted to drive 3,250 total miles by the end of their journey. How many miles do they need to travel in the last month?
- A. 50 miles  
B. 1,500 miles  
C. 3,250 miles  
D. 1,750 miles
5. The family baked cookies for the school fundraiser. They baked 2 dozen oatmeal, 3 dozen chocolate chip and 1 dozen peanut butter. They plan on selling each cookie for \$1.00 and they want to raise \$75. How many chocolate chip cookies did the family need to bake?
- A. 24 cookies  
B. 12 cookies  
C. 36 cookies  
D. 72 cookies
6. Helen bought 6 green notebooks, 5 orange notebooks, 2 pink notebooks, 9 pencils, and 14 pens. How many notebooks did Helen buy?
- A. 36 notebooks  
B. 22 notebooks  
C. 11 notebooks  
D. 13 notebooks

7. Fill in the blank.

If  $N + 17 = 39$ , then  $N$  is \_\_\_\_\_.

- A. 56
- B. 663
- C. 22
- D. 2

8. Fill in the blank.

If  $N \div 24 = 6$ , then  $N$  is \_\_\_\_\_.

- A. 134
- B. 144
- C. 1,444
- D. 14

9. Fill in the blank.

If  $N \times 4 = 112$ , then  $N$  is \_\_\_\_\_.

- A. 28
- B. 448
- C. 108
- D. 116

10. Mr. and Mrs. Taylor went to the movies. They took their three children with them. Adult tickets cost \$5.50 and child tickets cost \$2.75. How much did the movie cost the family?

- A. \$8.25
- B. \$19.25
- C. \$22.00
- D. \$27.50

11. Mr. Mila owns two restaurants in the middle of town. A total of 23 people work for Mr. Mila. There are 19 people that work at his Italian restaurant and 7 people that work at his Greek restaurant. How many people work at both restaurants?

- A. 26 people
- B. 23 people
- C. 3 people
- D. 19 people

12. Shantal bought 6 doughnuts for \$0.45 each and an orange juice for \$0.95. How much money did she spend?
- A. \$3.65
  - B. \$1.40
  - C. \$8.40
  - D. \$6.15
13. Which of these numbers comes between 5.32, \_\_\_\_, 5.40?
- A. 5.42
  - B. 5.28
  - C. 5.31
  - D. 5.34
14. Which of these numbers comes between 600.005, \_\_\_\_\_, 600.1?
- A. 600.004
  - B. 600.11
  - C. 600.01
  - D. 600.2
15. What number comes between 48.56, \_\_\_\_, 53.56?
- A. 58.76
  - B. 48.55
  - C. 51.10
  - D. 53.66
16. What number completes this number sentence?
- $$9 \times ? = 81$$
- A. 729
  - B. 9
  - C. 72
  - D. 8

17. What number completes this number sentence?

$$(13 + 8) + 11 = 13 + (11 + ?)$$

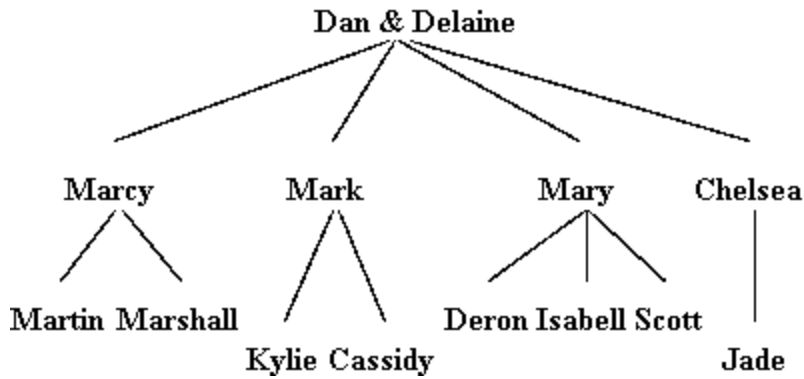
- A. 11
- B. 3
- C. 14
- D. 8

18. What number completes this number sentence?

$$(6 \times 3) \times ? = 3 \times (6 \times 2)$$

- A. 9
- B. 36
- C. 2
- D. 18

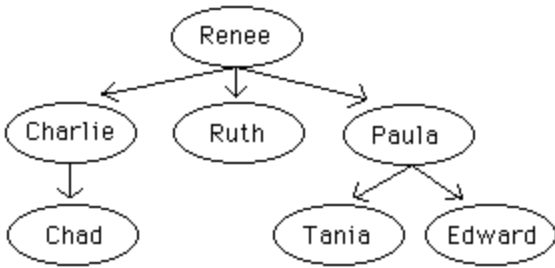
19. Use the diagram to answer the question.



Who are Mary's children?

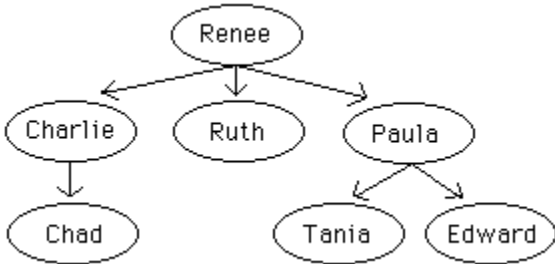
- A. Marcy, Mark, Mary, and Chelsea
- B. Kylie and Cassidy
- C. Deron, Isabell, and Scott
- D. Martin and Marshall

20. Use the diagram to answer the question.



How many children does Charlie have?

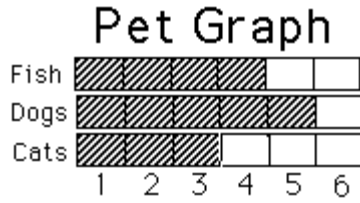
- A. 1 child
  - B. 0 children
  - C. 3 children
  - D. 5 children
21. Use the diagram to answer the question.



How many children does Renee have?

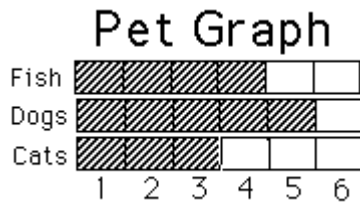
- A. 0 children
- B. 4 children
- C. 6 children
- D. 3 children

22. Each child in Mrs. Frazier's class owns no more than one pet. Mrs. Frazier's class counted the number of pets they own. The number of each is shown on the graph.



How many more children own dogs than fish?

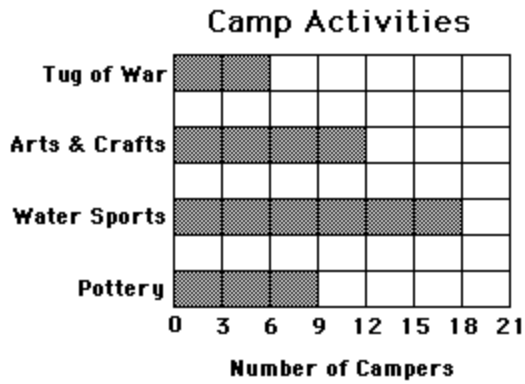
- A. 1 child
  - B. 2 children
  - C. 3 children
  - D. 4 children
23. Each child in Mrs. Frazier's class owns no more than one pet. Mrs. Frazier's class counted the number of pets they own. The number of each is shown on the graph.



How many children own cats?

- A. 3 children
- B. 4 children
- C. 5 children
- D. 6 children

24. Use the following bar graph to answer the question.



Which activity has 18 campers in it?

- A. Tug of War
- B. Arts & Crafts
- C. Water Sports
- D. Pottery

25. 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

26. Grant received the following scores on his Biology exams: 85, 67, 92, 64, 81, 77, 73.

What is his average exam score?

- A. 539
- B. 77
- C. 38.5
- D. 269.5



27. The following is a list of the temperatures in Seattle in the first two weeks of September: 67, 78, 82, 87, 91, 78, 80, 75, 69, 47, 50, 57, 44, and 39.

What was the average temperature?

- A. 94.4 degrees
  - B. 67.4 degrees
  - C. 33.7 degrees
  - D. 47.2 degrees
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. Use the following table to answer the question.

Basketball Player	Number of Hoops
Bryan	36
Meredith	43
Dwayne	21
Joanne	32
Chris	25

How many more hoops did Joanne make than Chris?

- A. 7 hoops  
B. 32 hoops  
C. 8 hoops  
D. 57 hoops
30. This table is a price list:
- |          |         |         |         |
|----------|---------|---------|---------|
| sneakers | \$13.00 | pants   | \$10.00 |
| sweaters | \$14.00 | hats    | \$ 6.00 |
| T-shirts | \$ 7.00 | jackets | \$22.00 |
- Marge purchased 4 T-shirts and 2 pants. She gave the sale person \$100. How much will she get back?
- A. \$28  
B. \$20  
C. \$48  
D. \$52
31.  $5.99 + 10 \underline{?} 6.09$
- A. =  
B. >  
C. <
32. 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

33. Which of the following is a true statement?

- A.  $0.0098 < 0.001$
- B.  $6.2391 < 6.240$
- C.  $16.777 = 16.77$
- D.  $9.99 < 9.0999$

34. Find the missing number.

$$\frac{9}{12} = \frac{?}{4}$$

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

35. Find the missing number.

$$\frac{12}{28} = \frac{?}{7}$$

- A. 84
- B. 56
- C. 3
- D. 19

36. Find the missing number.

$$\frac{11}{33} = \frac{?}{3}$$

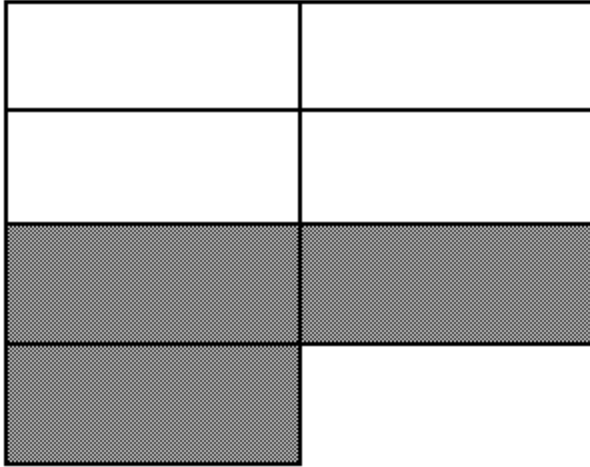
- A. 1
- B. 10
- C. 11
- D. 13

37. What fraction of the squares are shaded? Reduce your answer to lowest terms.



- A.  $\frac{2}{5}$
- B.  $\frac{1}{3}$
- C.  $\frac{6}{10}$
- D.  $\frac{3}{5}$

38. What fraction of the rectangles are shaded?



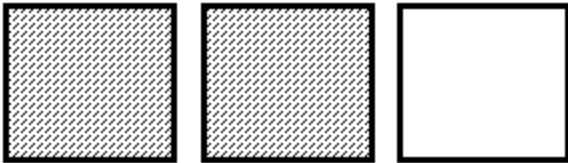
A.  $\frac{7}{4}$

B.  $\frac{7}{3}$

C.  $\frac{3}{7}$

D.  $\frac{4}{7}$

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



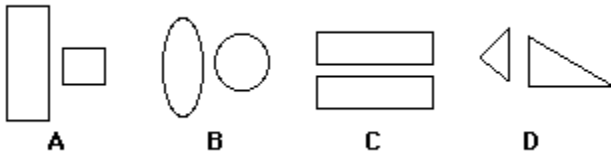
A.  $\frac{1}{3}$

B.  $1\frac{1}{3}$

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

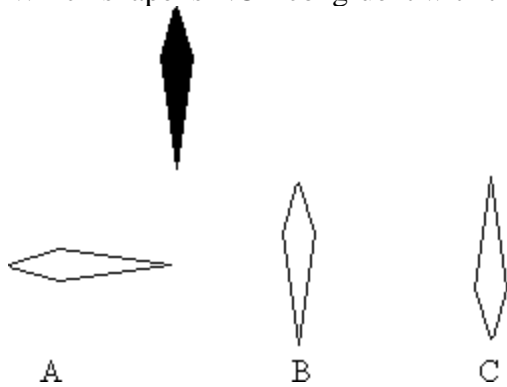
D. 1

40. Which pair of figures is congruent?



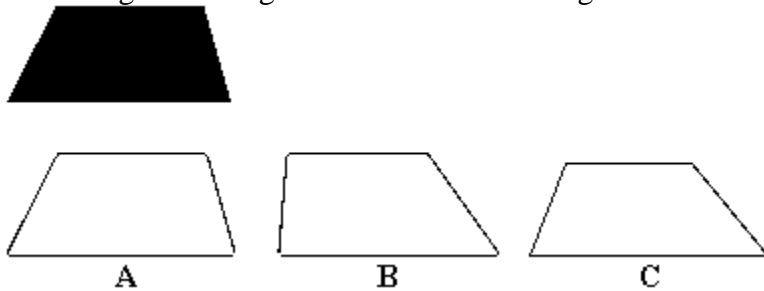
- A. A  
B. B  
C. C  
D. D

41. Which shape is NOT congruent with the shaded one?



- A. A
- B. B
- C. C
- D. They are all congruent.

42. Which figure is congruent with the shaded figure?

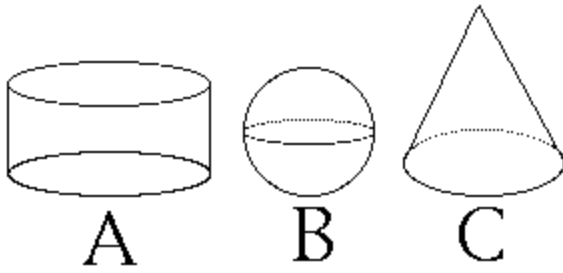


- A. A
- B. B
- C. C
- D. none of the above

43. How many sides does an octagon have?

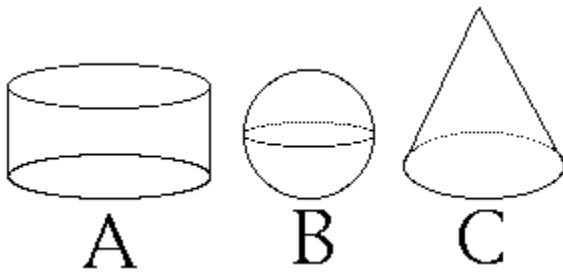
- A. six
- B. four
- C. eight
- D. five

44. Which figure is a cone?



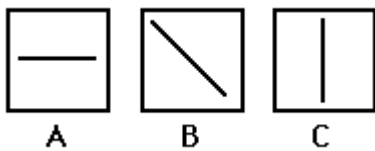
- A. A
- B. B
- C. C
- D. none of the above

45. Which figure is a pyramid?



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

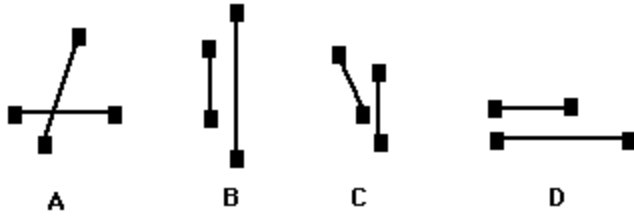
46. Which box contains a vertical line?



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

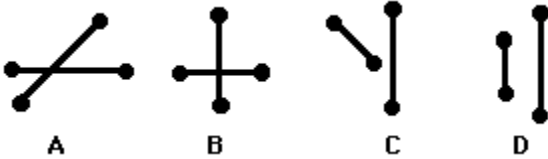


47. Which set of line segments is intersecting?



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

48. Which set of line segments is parallel?



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

49. In the cross country bike race, Steve, Marc, Joy and Peggy finished in the top four. Steve finished second. Joy did not finish fourth. Marc finish third.

Which person finished first?

- A. Steve
- B. Marc
- C. Joy
- D. Peggy

50. In the marathon, Elijah, Adrian, Briana, and Sophia finished in the top four. Sophia came in first place. Elijah came in third place. Briana came in before Adrian.

Who came in fourth place?

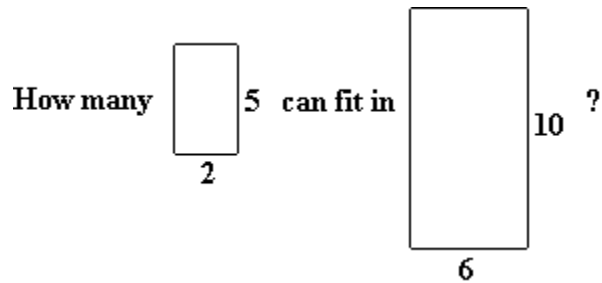
- A. Elijah
- B. Adrian
- C. Briana
- D. Sophia

51. In the marathon, Elijah, Adrian, Briana, and Sophia finished in the top four. Sophia came in first place. Elijah came in third place. Briana came in before Adrian.

Who came in second place?

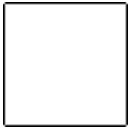
- A. Elijah
- B. Adrian
- C. Briana
- D. Sophia

52.



- A. 6
- B. 4
- C. 5
- D. 12


53. Which shape would be best to use to fill up the following figure?





A. 

B. 

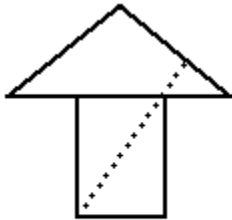
C. 

D. 

54. How many  4 can fit in  8 ?

- A. 9
- B. 21
- C. 90
- D. 6

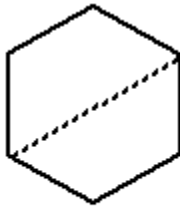
55.



If you fold this shape on the dotted line will both sides match exactly?

- A. YES
- B. NO

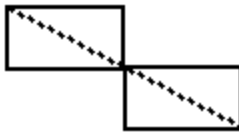
56.



If you fold this shape on the dotted line will both sides match exactly?

- A. YES
- B. NO

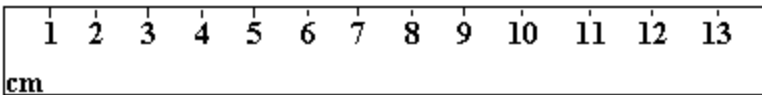
57.



If you fold this shape on the dotted line will both sides match exactly?

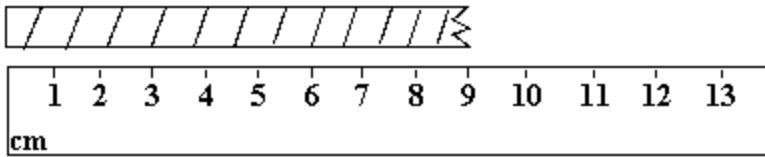
- A. YES
- B. NO

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

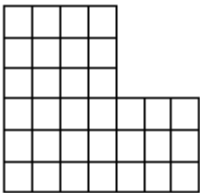


- A. 3 cm
- B. 4 cm
- C. 2 cm
- D. 1 cm

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

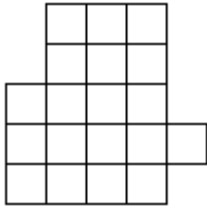


- A. 6 cm  
B. 7 cm  
C. 8 cm  
D. 9 cm
60. Choose the best answer.
- What units would you use to measure a person's weight?
- A. grams  
B. centimeters  
C. kilometers  
D. kilograms
61. Find the area of the following figure in square centimeters.



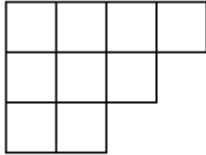
- A. 11 square centimeters  
B. 3 square centimeters  
C. 33 square centimeters  
D. 45 square centimeters

62. Find the area of the following figure in square centimeters.



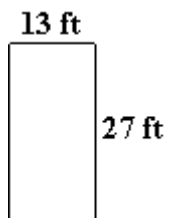
$\square = 1 \text{ cm}^2$

- A. 18 square centimeters  
B. 19 square centimeters  
C. 20 square centimeters  
D. 81 square centimeters
63. What is the area of this figure?



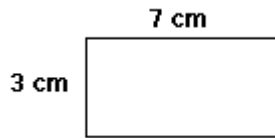
$\square = \text{one square unit}$

- A. 9 square units  
B. 3 square units  
C. 18 square units  
D. 6 square units
64. What is the area of this figure?

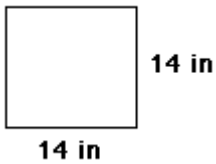


- A. 40 square feet  
B. 351 square feet  
C. 80 square feet  
D. 257 square feet

65. Find the area of the following rectangle.



- A. 20 square centimeters  
B. 21 square centimeters  
C. 10 square centimeters  
D. 4 square centimeters
66. Find the area of the following figure.



- A. 14 square inches  
B. 28 square inches  
C. 196 square inches  
D. 56 square inches
67. Use the calendar to answer the question.

Sun	Mon	Tue	Wed	Thur	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		

How many Tuesdays are in this month?

- A. 3  
B. 4  
C. 5  
D. 6

68. 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

What is the date of the second Monday?

- A. 2nd
  - B. 19th
  - C. 5th
  - D. 12th
69. What is the name of the 9th month?

- A. August
- B. September
- C. October
- D. November

70. 1 pound = 16 ounces

Using this information, choose which of the following is true.

- A. 2 pounds = 33 ounces
- B. 5 pounds = 64 ounces
- C. 2 pounds > 30 ounces
- D. 4 pounds < 24 ounces



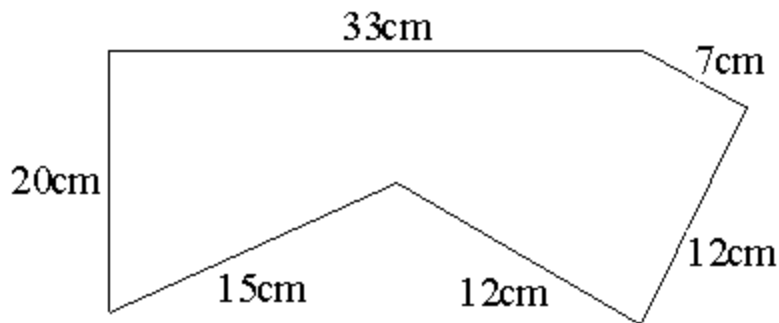
71. Use the table to answer the questions.

**Relationships Between Units**

8 fluid ounces	1 cup
2 cups	1 pint
2 pints	1 quart
2 quarts	1 half gallon
2 half gallons	1 gallon

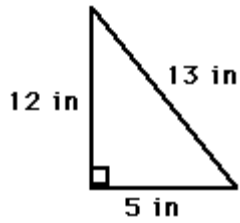
16 quarts = ? gallons

- A. 4 gallons
  - B. 16 gallons
  - C. 32 gallons
  - D. 2 gallons
72. How many kilograms are equal to 6,000 grams? (1,000 grams = 1 kilogram)
- A. 6 kilograms
  - B. 60 kilograms
  - C. 600 kilograms
  - D. 6,000 kilograms
73. What is the perimeter of this shape?

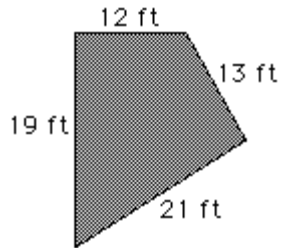


- A. 87 cm
- B. 89 cm
- C. 97 cm
- D. 99 cm

74. What is the perimeter of this triangle?



- A. 30 in  
B. 60 in  
C. 40 in  
D. 20 in
75. What is the perimeter of this shape?

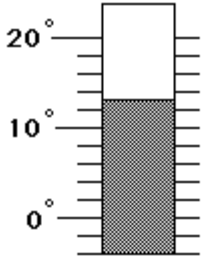


- A. 65 ft  
B. 130 ft  
C. 84 ft  
D. 32 ft
76. Which unit of measure would be best to use when expressing the length of your thumb?
- A. meters  
B. feet  
C. yards  
D. centimeters
77. Which unit of measure would be best to use when expressing the length of a magazine?
- A. feet  
B. millimeters  
C. meters  
D. inches

78. Chelsea wants to know how tall she is. Which tool should Chelsea use to measure her height?

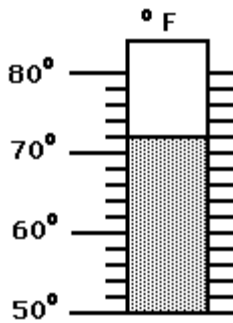
- A. a ruler
- B. a measuring tape
- C. a yardstick
- D. a protractor

79. What temperature will this thermometer show if the temperature drops 6 degrees?



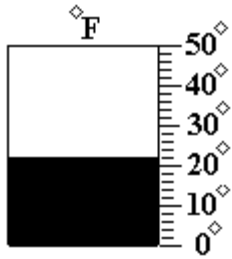
- A. 18°
- B. 7°
- C. 5°
- D. 16°

80. If the temperature shown on this thermometer fell 12 degrees, what temperature would it be?



- A. 58° F
- B. 72° F
- C. 86° F
- D. 60° F

81. What temperature would this thermometer show if the temperature rose 15 degrees?

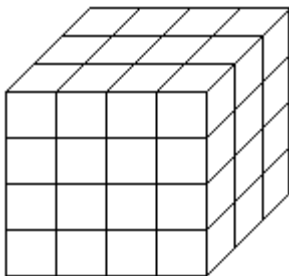


- A. 37° F  
B. 27° F  
C. 39° F  
D. 29° F
82. What time will it be 7 hours before midnight?
- A. 7:00 A.M.  
B. 5:00 P.M.  
C. 7:00 P.M.  
D. 5:00 A.M.
83. Which of the following is the same as 4:27?
- A. 27 minutes to 4  
B. 33 minutes after 5  
C. 27 minutes after 4  
D. 3 minutes to 5
84. The party starts at 7:30 P.M. It lasts 4 hours and 25 minutes. What time does it end?
- A. 12:55 A.M.  
B. 12:55 P.M.  
C. 11:55 P.M.  
D. 11:50 P.M.

85. Rope = 126 centimeters  
String = 250 centimeters  
Shoelace = 143 centimeters  
Chain = 150 centimeters

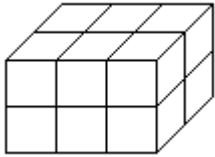
How long would the shoelace and string be together?

- A. 188 centimeters  
B. 168 centimeters  
C. 393 centimeters  
D. 383 centimeters
86. Which of the following would most likely be used to measure the length of your bedroom?
- A. kilometers  
B. centimeters  
C. meters  
D. millimeters
87. Which of the following statements is true?
- A. 4 yards = 48 feet  
B. 24 inches = 3 feet  
C. 3 yards = 18 feet  
D. 1 yard = 3 feet
88. What is the volume of the figure?



- A. 48 cubic units  
B. 16 cubic units  
C. 11 cubic units  
D. 32 cubic units

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



- A. 6 cubic units  
B. 12 cubic units  
C. 36 cubic units  
D. 24 cubic units
90. Find the number of units in this figure.
- 
- A. 20 cubic units  
B. 12 cubic units  
C. 16 cubic units  
D. 18 cubic units
91. Which of the following is another way to write 0.573?
- A.  $\frac{10}{573}$   
B.  $\frac{573}{1,000}$   
C.  $\frac{100}{573}$   
D.  $\frac{573}{100}$
92. Which of the following is another way to write  $\frac{5}{10}$ ?
- A.  $\frac{1}{10}$   
B.  $\frac{1}{5}$   
C.  $\frac{10}{5}$   
D.  $\frac{1}{2}$
93. Which of the following is another way to write 0.75?
- A.  $\frac{75}{10}$   
B.  $\frac{10}{75}$   
C.  $\frac{3}{4}$   
D.  $\frac{2}{3}$

94. Which of the following should you use to estimate  $6,543 - 3,299$  to the nearest thousand?
- A.  $6,500 - 3,300$
  - B.  $6,000 - 3,000$
  - C.  $7,000 - 4,000$
  - D.  $7,000 - 3,000$
95. What is 9,342 rounded to the nearest hundred?
- A. 9,000
  - B. 9,300
  - C. 9,400
  - D. 9,340
96. What is 36,482 rounded to the nearest ten thousand?
- A. 40,000
  - B. 30,000
  - C. 36,000
  - D. 37,000
97. Last week Doughnut Dunkers delivered 837 dozen doughnuts on Monday. They delivered 1,139 dozen doughnuts on Tuesday. They delivered 3,467 dozen doughnuts on Wednesday.
- How many dozen doughnuts were delivered?
- A. 12,976 dozen doughnuts
  - B. 4,323 dozen doughnuts
  - C. 3,342 dozen doughnuts
  - D. 5,443 dozen doughnuts
98. The Bates family flew 17,932 miles in April. They flew 9,067 miles in June. They flew 14,329 miles in September.
- How many miles did the Bates family fly from April through September?
- A. 41,328 miles
  - B. 22,288 miles
  - C. 12,001 miles
  - D. 40,317 miles

- 99.** The students at Applewood Elementary bought 7,297 lunches in a week. The students at Treebriar Elementary bought 8,972 lunches in a week. The students at Oakwood Elementary bought 5,639 lunches in a week.

What is the total number of lunches that were purchased?

- A. 20,798 lunches
  - B. 21,978 lunches
  - C. 21,908 lunches
  - D. 20,908 lunches
- 100.** Which of the following statements is true?
- A.  $123,456 < 113,456$
  - B.  $505,050 = 50,505$
  - C.  $511,111 < 4,111,111$
  - D.  $100,000 = 1$

- 101.** Which of the following statements is true?
- A.  $67,451 < 67,551$
  - B.  $59,023 < 59,003$
  - C.  $81,200 = 82,100$
  - D.  $59,990 > 69,990$

- 102.** Which of the following statements is true?
- A.  $101,101 < 100,100$
  - B.  $60,677 < 60,766$
  - C.  $151,100 = 151,010$
  - D.  $21,672 > 26,172$

- 103.** There are 375 cars to wash at the spring car wash. Six students each washed an equal number of cars.

How many cars were not washed?

- A. 9 cars
- B. 6 cars
- C. 3 cars
- D. 19 cars



- 104.** The local animal shelter had 34 orphaned kitten for adoption. Nine families adopted an equal number of kittens.

How many kittens were not adopted?

- A. 9 kittens
- B. 7 kittens
- C. 4 kittens
- D. 17 kittens

- 105.** The Jimenez family bought 45 gallons of paint to paint their house. They painted 4 rooms with an equal amount of paint.

How many gallons of paint were left over?

- A. 1 gallon
- B. 4 gallons
- C. 0 gallons
- D. 3 gallons

- 106.** Which of the following groups of numbers contains common multiples of 9 and 3?

- A. 25, 18
- B. 26, 33
- C. 27, 63
- D. 28, 21

- 107.** Which of the following is a prime number?

- A. 9
- B. 15
- C. 23
- D. 33

- 108.** Which of the following numbers is divisible by 3 and 7?

- A. 42
- B. 10
- C. 4
- D. 27

**109.** Amanda rides her bicycle 57 miles each day.

In 353 days, how many miles has she ridden?

- A. 4,236 miles
- B. 410 miles
- C. 20,121 miles
- D. 178,971 miles

**110.** Beth has 521 books. Each book has 12 pictures.

How many pictures does Beth have in all?

- A. 6,252 pictures
- B. 533 pictures
- C. 1,563 pictures
- D. 0 pictures

**111.** Lee is a marathon runner. He runs 1,023 miles each month.

In 43 months, how many miles has he run?

- A. 7,161 miles
- B. 48,289 miles
- C. 43,989 miles
- D. 43,889 miles

**112.** Is the following number odd or even?

100,054,181

- A. odd
- B. even

**113.** Which of the following numbers is even?

- A. 2,685
- B. 3,841
- C. 4,687
- D. 2,346

**114.** Which of the following numbers is odd?

- A. 950
- B. 233
- C. 828
- D. 792

**115.** Use the number 143,327.

What is the value of the 4?

- A. 400
- B. 400,000
- C. 40
- D. 40,000

**116.** Use the number 987,621.

What is the value of the 9?

- A. 900,000
- B. 90,000
- C. 9,000
- D. 900

**117.** Use the number 126,473.

What is the value of the 1?

- A. 10
- B. 100,000
- C. 100
- D. 0

**118.** My grandmother was born in 1912.

How old was she in 1960?

- A. 72 years old
- B. 48 years old
- C. 58 years old
- D. 52 years old

**119.** Phillip was born in 1968.

How old was he in 1983?

- A. 15 years old
- B. 5 years old
- C. 17 years old
- D. 12 years old

**120.** Last year Jessie rode 7,873 miles on her bicycle. This year she rode 8,934 miles.

How many more miles did Jessie ride this year than last year?

- A. 1,261 miles
- B. 1,161 miles
- C. 2,161 miles
- D. 1,061 miles