








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

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




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





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

1.  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

2.  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

3. Find the missing number.

5.6, 5.8, ?, 6.2, 6.4

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

4. 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

5. Ophelia went to the beach during the week. On Monday, she spent 5 hours at the beach. On Wednesday, she spent 4 hours shopping. On Friday, she spent 7 hours at the beach and on Sunday she spent 12 hours at the beach. How many more hours did she spend at the beach on Friday than Monday?

- A. 7 hours
- B. 5 hours
- C. 12 hours
- D. 2 hours

6. Wanda ate 15 bananas, 8 apples, 19 cookies, and 26 oranges. How much fruit did Wanda eat?

- A. 49 pieces of fruit
- B. 68 pieces of fruit
- C. 23 pieces of fruit
- D. 45 pieces of fruit

7. Fill in the blank.

If  $N \times 5 = 200$ , then N is \_\_\_\_\_.

- A. 40
- B. 10
- C. 44
- D. 400

8. Fill in the blank.

If  $N + 71 = 376$ , then  $N$  is \_\_\_\_\_.

- A. 310
- B. 306
- C. 305
- D. 71

9. Which number completes the number sentence?

$$6 \times (4 + 3) = 30 + ?$$

- A. 16
- B. 8
- C. 14
- D. 12

10. At the grocery store, limes costs \$0.59 per pound, apples costs \$0.75 per pound and oranges costs \$0.39 per pound. Stan bought 3 pounds of apples, 2 pounds of limes and 3 pounds of oranges. How much money did Stan spend on all the fruit?

- A. \$4.21
- B. \$4.60
- C. \$4.44
- D. \$4.01

11. Norma had \$7.00. She bought a scarf for \$1.33, a notebook for \$2.57, and a pack of pencils for \$0.79. How much money did she have left?

- A. \$4.69
- B. \$2.31
- C. \$11.69
- D. \$3.10

12. 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

13. Solve.

$$5 \times [(2 \times 3) \times (4 \times 5)] =$$

- A. 600
- B. 130
- C. 270
- D. 500

14. Solve.

$$[(9 + 2 + 3) \div (6 \div 3)] \div 7 =$$

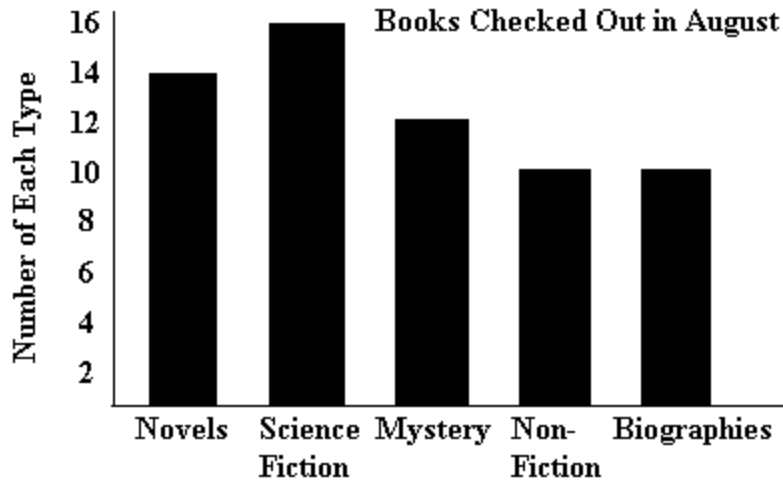
- A. 0.111
- B. 36
- C. 4
- D. 1

15. Solve.

$$66 + [(8 \times 4) \div (4 \times 4)] =$$

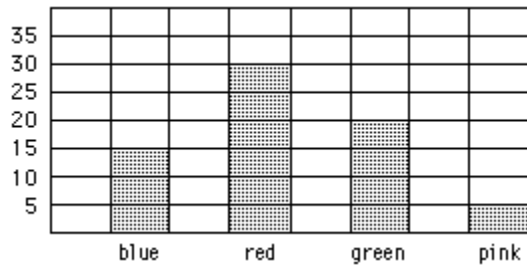
- A. 66
- B. 68
- C. 67.25
- D. 67

16. Ms. Bookman made a graph of the books checked out of the library during the month of August.



How many books were checked out in all?

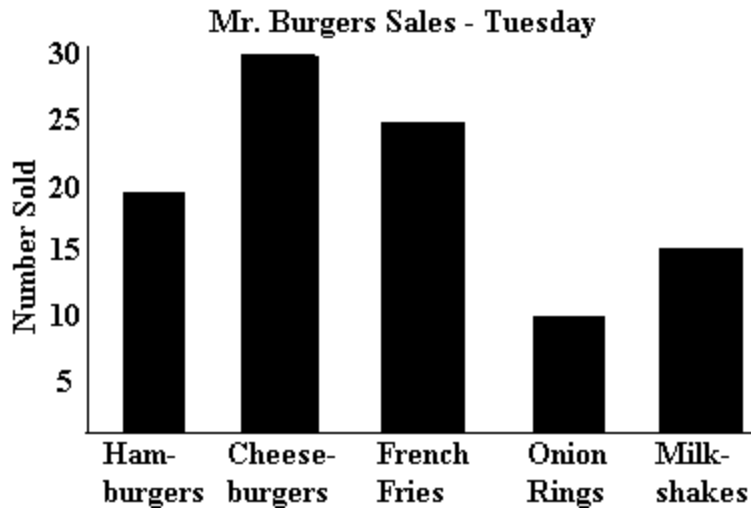
- A. 62 books
  - B. 64 books
  - C. 58 books
  - D. 60 books
17. Mr. Johnston made a graph of the number of kites he sold in July.



How many more blue than pink kites were sold?

- A. 20 kites
- B. 25 kites
- C. 15 kites
- D. 10 kites

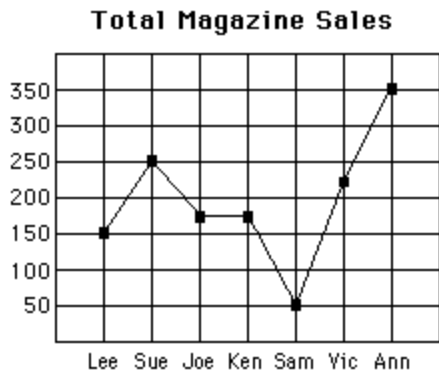
18. Mr. Burger made a graph of the food he sold on Tuesday.



How many more french fries were sold than onion rings?

- A. 20 french fries
- B. 15 french fries
- C. 10 french fries
- D. 25 french fries

19. Use the line graph to answer the question.



How many magazines did Joe sell?

- A. 150 magazines
- B. 175 magazines
- C. 200 magazines
- D. 225 magazines

20. Use the line graph to answer the question.



In which year were the most magazines sold?

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

21. Use the line graph to answer the question.



How many magazines were sold in 1990?

- A. 300 magazines
- B. 250 magazines
- C. 200 magazines
- D. 150 magazines

22. In her math class, Patricia scored 12, 57, 85, 92, and 99.

What is her average score?

- A. 172.5
- B. 34.5
- C. 69
- D. 45

23. What is the average of the following numbers?

4, 12, 8, 2, 6, and 10

- A. 6
- B. 42
- C. 48
- D. 7

24. 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



25. 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 votes did Megan receive altogether?

- A. 40 votes
  - B. 61 votes
  - C. 53 votes
  - D. 46 votes
26. Students from the fourth through eighth grades were asked to vote on their favorite foods. Use the chart to answer the question.

Pizza	XX	XXX X	X	XX	XXX
Hot Dogs	XXX X	X	XXX	X	XX
Burgers	X	XX	XXX	XXX	XXX
Tacos	XXX	XXX	XXX	XXX X	XX
	4	5	6	7	8

Grades  
Each X means one vote.

How many students in the fifth grade voted for hot dogs?

- A. four votes
- B. three votes
- C. two votes
- D. one vote

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

Pizza	XX	XXX X	X	XX	XXX
Hot Dogs	XXX X	X	XXX	X	XX
Burgers	X	XX	XXX	XXX	XXX
Tacos	XXX	XXX	XXX	XXX X	XX
	4	5	6	7	8

Grades  
Each X means one vote.

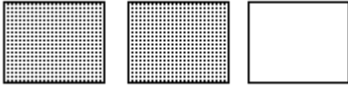
Which food received the most votes from the fourth grade?

- A. pizza
  - B. hot dogs
  - C. burgers
  - D. tacos
28. Choose the lowest terms fraction that shows the number of squares shaded.



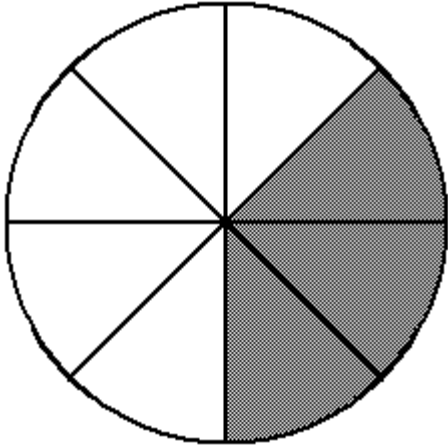
- A.  $\frac{1}{3}$
- B.  $\frac{1}{6}$
- C.  $\frac{4}{6}$
- D.  $\frac{2}{3}$

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



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

30. What fraction of the circle is shaded?



A.  $\frac{5}{8}$

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

C.  $\frac{2}{8}$

D.  $\frac{8}{5}$

31. Fill in the blank.

Congruent figures have \_\_\_\_\_.

- A. the same size and shape
- B. the same size and a different shape
- C. a different size and the same shape
- D. a different size and shape

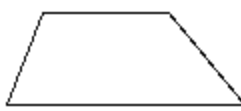
32. Which figure is congruent with the shaded figure?



A



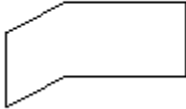
B



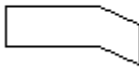
C

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

33. Which of the following figures is congruent with the shaded figure?



A



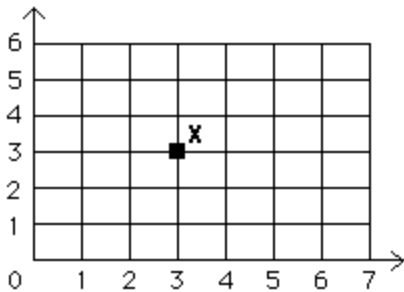
B



C

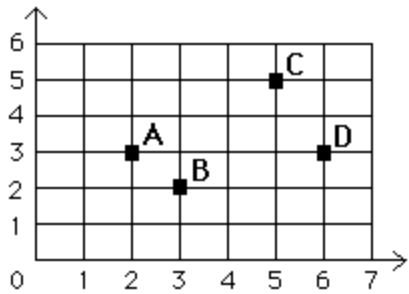
- A. A
- B. B
- C. C
- D. none of the above

34. What are the coordinates for point X?



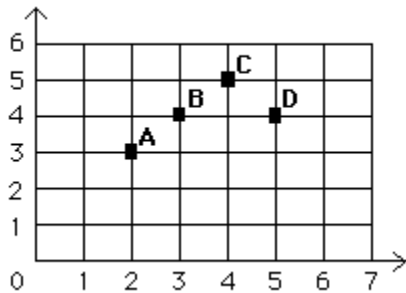
- A. (3, 1)
- B. (1, 3)
- C. (3, 3)
- D. (5, 3)

35. What is the ordered pair for point A?



- A. (3, 2)
- B. (3, 1)
- C. (2, 3)
- D. (0, 3)

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



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

37. Which choice best completes the sentence?  
A parallelogram is a quadrilateral with...

- A. all sides the same length.
- B. opposite sides parallel and congruent.
- C. only one pair of parallel sides.
- D. has all right angles.

- 38.** Fill in the blank.  
A cube has \_\_\_\_\_ vertices.
- A.** 4
  - B.** 6
  - C.** 8
  - D.** 10
- 39.** Fill in the blank.  
A square pyramid has \_\_\_\_\_ faces.
- A.** 3
  - B.** 4
  - C.** 5
  - D.** 6
- 40.** Ray, Yolanda, Greg, and Brenda are wearing different color shirts today: red, yellow, green, and blue. No person's name begins with the same first letter as that person's shirt color. Ray and Yolanda do not like the color blue. Brenda is wearing a green shirt.
- Who is wearing the red shirt?
- A.** Ray
  - B.** Yolanda
  - C.** Greg
  - D.** Brenda
- 41.** Peter, Alec, Molly, and Margaret are brothers and sisters. Alec is the oldest and Molly is the youngest in the family. Peter is older than Margaret.
- Who is the second born child?
- A.** Peter
  - B.** Alec
  - C.** Molly
  - D.** Margaret

42. Leo, Cynthia, Craig, and Megan drew different figures for math class: a square, a circle, a triangle, and a rectangle. Craig's figure had four even sides. Leo's figure had a radius equal to 6. Cynthia's figure had three sides.

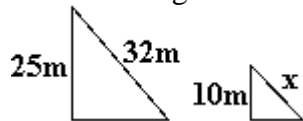
Which person drew the circle?

- A. Leo
- B. Cynthia
- C. Craig
- D. Megan

43. The base of a triangle is 2 cm and its height is 8 cm. A similar triangle has a height equal to 18 cm. What is its base?

- A. 4.5 cm
- B. 72 cm
- C. 0.9 cm
- D. 36 cm

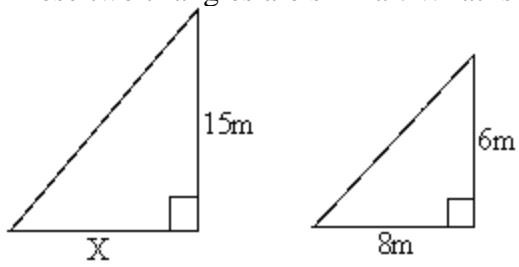
44. These two figures are similar. What is the value of  $x$ ?



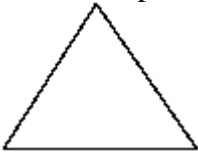
- A. 80 m
- B. 7.81 m
- C. 12.8 m
- D. 47 m







45. These two triangles are similar. What is the value of X?

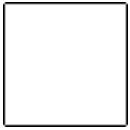



- A. 1 m  
B. 3.2 m  
C. 11.25 m  
D. 20 m
46. Which shape would be best to use to fill up the following figure?



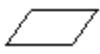
- A. 
- B. 
- C. 
- D. 


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





A. 

B. 

C. 

D. 

48. How many  can fit in  ?

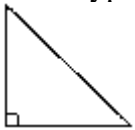
A. 2

B. 4

C. 8

D. 10

49. What type of triangle is pictured below?



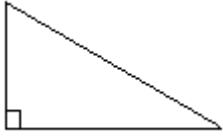
A. equilateral triangle

B. right triangle

C. isosceles triangle

D. obtuse triangle

50. What type of triangle is pictured below?



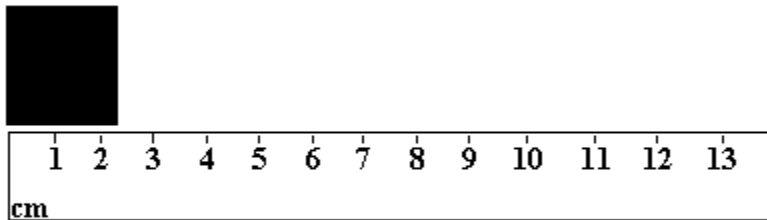
- A. equilateral triangle
- B. right triangle
- C. isosceles triangle
- D. obtuse triangle

51. 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

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



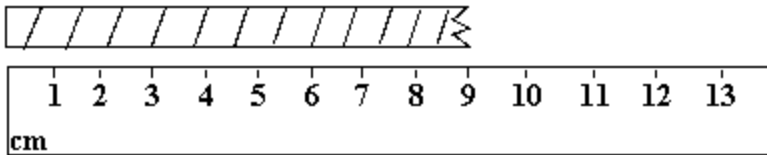
- A. 2 cm
- B. 1 cm
- C. 3 cm
- D. 0.5 cm

53. Choose the best answer.

What units would you use to measure the weight of a button?

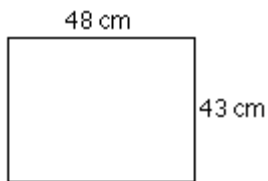
- A. meters
- B. kilograms
- C. grams
- D. centimeters

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



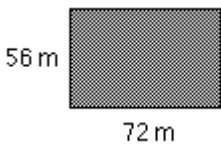
- A. 6 cm
- B. 7 cm
- C. 8 cm
- D. 9 cm

55. What is the area of this figure?



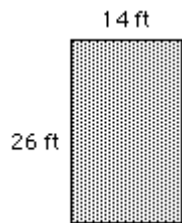
- A. 91 square centimeters
- B. 182 square centimeters
- C. 1,032 square centimeters
- D. 2,064 square centimeters

56. What is the area of this figure?



- A. 4,032 square meters
- B. 128 square meters
- C. 256 square meters
- D. 2,016 square meters

57. What is the area of the rectangle?



- A. 364 square feet
- B. 182 square feet
- C. 40 square feet
- D. 80 square feet

58. How many milliliters are equal to 6.24 liters?

- A. 6.24 milliliters
- B. 62.4 milliliters
- C. 624 milliliters
- D. 6,240 milliliters

59. Solve:

$$2 \text{ kg} = ? \text{ mg}$$

Hint:

1 kilogram (kg) = 1,000 grams (g)

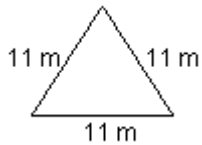
1 gram (g) = 1,000 milligrams (mg)

- A. 0.002
- B. 0.001
- C. 2,000,000
- D. 4,000

60. How many liters are equal to 611 milliliters?

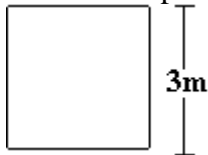
- A. 61.1 liters
- B. 611 liters
- C. 0.611 liters
- D. 6.11 liters

61. What is the perimeter of this figure?



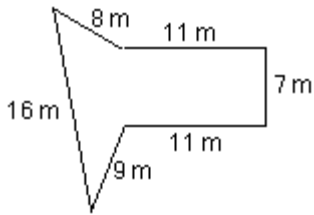
- A. 11 meters
- B. 22 meters
- C. 33 meters
- D. 66 meters

62. What is the perimeter of the square?



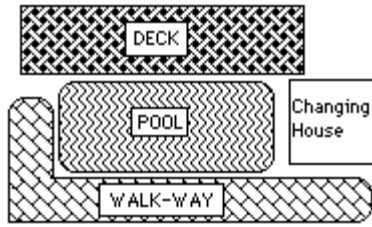
- A. 12 m
- B. 9 m
- C. 15 m
- D. 3 m

63. What is the perimeter of this figure?



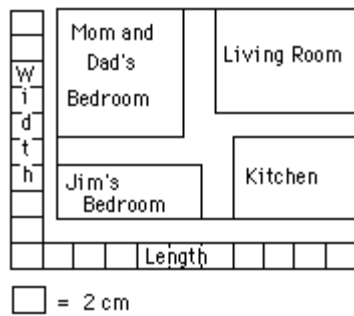
- A. 62 meters
  - B. 31 meters
  - C. 124 meters
  - D. 51 meters
64. Which unit of measure would be best to use when expressing the amount of water that it takes to fill up a bathtub?
- A. gallons
  - B. cups
  - C. ounces
  - D. pints
65. Alex wants to express the distance between his bedroom and the kitchen. Which unit of measure should he use?
- A. miles
  - B. yards
  - C. kilometers
  - D. inches
66. Which instrument would be best to use to measure the amount of flour that you use to make cookies?
- A. a scale
  - B. a teaspoon
  - C. a tablespoon
  - D. a measuring cup

67. This is the layout of the McDougal's backyard. The scale is 1 centimeter to 5 meters. The deck is 0.45 centimeters from the pool on the layout.



What is the actual distance between the deck and the pool?

- A. 0.9 meters
  - B. 19.8 meters
  - C. 2.25 meters
  - D. 1.13 meters
68. Jim drew this scale drawing of his house.

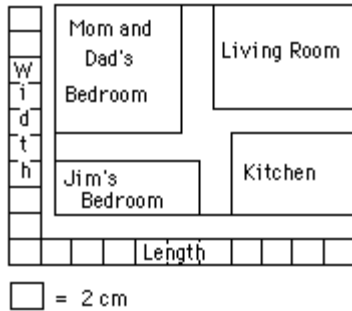


Jim used the scale 2 centimeters equals 4 meters. What is the actual length of Jim's bedroom?

- A. 50 meters
- B. 36 meters
- C. 18 meters
- D. 10 meters



69. Jim drew this scale drawing of his house.



Jim used the scale 2 centimeters equals 4 meters. What is the actual width of the living room?

- A. 8 meters
  - B. 16 meters
  - C. 64 meters
  - D. 32 meters
70. In the morning, Carlotta spent 2 hours and 3 minutes driving to work. In the evening, Carlotta spent 6 hours and 59 minutes driving home from work.

What was the total amount of time that Carlotta spent driving?

- A. 7 hours 20 minutes
  - B. 9 hours 2 minutes
  - C. 7 hours
  - D. 4 hours 56 minutes
71. 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
72. Herman works 35.5 hours per week.

How many hours does he work each year?

- A. 426 hours
- B. 2,130 hours
- C. 12,957.5 hours
- D. 1,846 hours

73. Solve:

$$5 \text{ m} = \underline{\quad} \text{ cm}$$

Hint:

1 meter = 10 decimeters (dm)

1 meter = 100 centimeters (cm)

1 meter = 1,000 millimeters (mm)

- A. 50
- B. 500
- C. 5,000
- D. 50,000

74. 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

75. Solve:

$$\underline{\quad} \text{ mm} = 4.1 \text{ km}$$

Hint:

1 kilometer (km) = 1,000 meters (m)

1 hectometer (hm) = 100 meters

1 dekameter (dam) = 10 meters

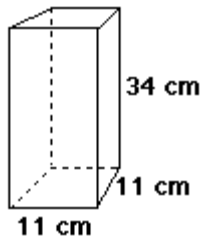
1 meter = 10 decimeters (dm)

1 meter = 100 centimeters (cm)

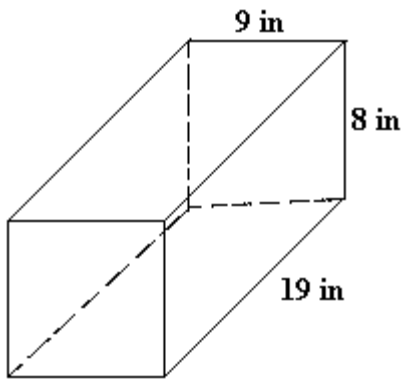
1 meter = 1,000 millimeters (mm)

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

76. What is the volume of this figure?

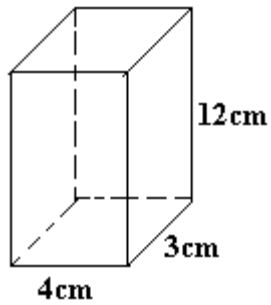


- A. 56 cubic centimeters  
B. 4,114 cubic centimeters  
C. 374 cubic centimeters  
D. 2,057 cubic centimeters
77. What is the volume of this figure?



- A. 1,368 cubic inches  
B. 144 cubic inches  
C. 3,249 cubic inches  
D. 684 cubic inches

78. What is the volume of this figure?



- A. 76 cubic centimeters
- B. 144 cubic centimeters
- C. 1,728 cubic centimeters
- D. 19 cubic centimeters

79. Which of the following number sentences is true?

- A.  $88\% = 0.88$
- B.  $9.9 = 99\%$
- C.  $1/4 = 40\%$
- D.  $60\% = 1/4$

80. Which of the following statements is true?

- A.  $-8 > -7$
- B.  $5/5 > 4/4$
- C.  $9.4 < 9.3$
- D.  $8.1 < 8.2$

81. Which of the following numbers is less than the others?

- A. -5
- B. 1
- C. -7
- D. 4

82. Which of the following is another way to write 5.5?

- A.  $5 \frac{5}{100}$
- B.  $5 \frac{5}{10}$
- C.  $\frac{55}{100}$
- D.  $\frac{55}{10}$

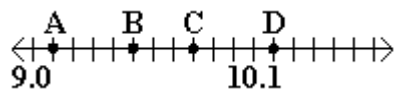
83. What is another way to write 6.50?

- A.  $6 \frac{1}{2}$
- B.  $6 \frac{5}{100}$
- C.  $\frac{65}{100}$
- D.  $6 \frac{1}{5}$

84. Find another way to write  $12/3$ .

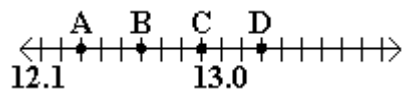
- A. 40
- B. 0.04
- C. 0.4
- D. 4

85. What is the difference between point D and point A?



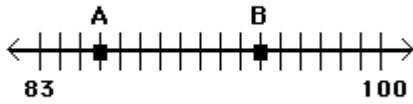
- A. 1.1
- B. 1
- C. 12
- D. 1.2

86. What is the difference between point D and point B?



- A. 6
- B. 0.5
- C. 0.6
- D. 5

87. What is the difference between point A and point B?



- A. 8  
B. 86  
C. 100  
D. 7
88. Which of the following formulas should you use to estimate  $2,795 + 6,299$  to the nearest thousand?
- A.  $3,000 + 6,000$   
B.  $2,500 + 6,000$   
C.  $2,000 + 6,000$   
D.  $2,800 + 6,300$
89. Which of the following formulas should you use to estimate  $591 \times 203$ ?
- A.  $600 \times 300$   
B.  $500 \times 200$   
C.  $500 \times 300$   
D.  $600 \times 200$
90. What is 899.23 rounded to the nearest whole number?
- A. 898  
B. 899.2  
C. 900  
D. 899
91. The Melrose family harvested 4,987 bananas from their banana tree in March, 7,909 bananas in April, 7,738 bananas in May, and 3,234 bananas in June.
- How many bananas did they harvest in all?
- A. 23,868 bananas  
B. 20,434 bananas  
C. 15,930 bananas  
D. 22,648 bananas

- 92.** Manuel went to the grocery store and bought 105 apples, 29 cookies, and 158 sticks of gum.

How many items did Manuel buy in all?

- A. 553 items
- B. 292 items
- C. 134 items
- D. 263 items

- 93.** Gerald had 21 comic books. His sister gave him 11 comic books. His mother gave him 17 comic books. Gerald's uncle gave him 67 comic books.

How many comic books does Gerald have now?

- A. 49 comic books
- B. 106 comic books
- C. 126 comic books
- D. 116 comic books

- 94.** 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

- 95.** Jonas saved 2,475 pennies. He put 25 pennies in each bag.

How many bags did Jonas fill?

- A. 61,875 bags
- B. 915 bags
- C. 99 bags
- D. 101 R1 bags

- 96.** There are 8,749 books at Lincoln Junior High School. Each student receives 13 books.

How many students go to school at Lincoln Junior High School?

- A. 113,737 students
- B. 660 students
- C. 2,692 students
- D. 673 students

97. Which of the following is a prime number?

- A. 44
- B. 22
- C. 11
- D. 33

98. Which of the following groups of numbers contains common multiples of 7 and 8?

- A. 28, 32
- B. 14, 56
- C. 114, 121
- D. 56, 112

99. Which of the following numbers is divisible by 5 and 7?

- A. 33
- B. 34
- C. 35
- D. 36

100. An art warehouse has 11 storerooms. There are 2,398 paintings stored in each room.

How many paintings are stored in the art warehouse?

- A. 25,278 paintings
- B. 26,378 paintings
- C. 49,860 paintings
- D. 59,096 paintings

101. Amanda has sewn sixteen quilts. Each of Amanda's quilts used 1,311 pieces of fabric.

How many pieces of fabric has she used making quilts?

- A. 19,976 pieces of fabric
- B. 8,177 pieces of fabric
- C. 7,177 pieces of fabric
- D. 20,976 pieces of fabric



**102.** That factory prints 7,892 magazines a day.

In 13 days, how many magazines have been printed?

- A. 7,905 magazines
- B. 102,596 magazines
- C. 31,568 magazines
- D. 812,876 magazines

**103.** Which of the following is an odd number?

- A. 951,782
- B. 233,334
- C. 753,018
- D. 880,057

**104.** Which of the following equations will produce an even number?

- A.  $5 + 10 = ?$
- B.  $6 + 1 = ?$
- C.  $10 + 3 = ?$
- D.  $7 + 9 = ?$

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

- A. 339
- B. 265
- C. 358
- D. 661

**106.** At a large school, 10,643 students signed up for volunteer work on Monday and 8,736 signed up on Wednesday.

How many more students signed up for volunteer work on Monday than on Wednesday?

- A. 1,907 students
- B. 18,113 students
- C. 19,379 students
- D. 2,907 students

**107.** The town newspaper printed 999,998 special edition newspapers. They sold 878,898 of the newspapers.

How many of the special edition newspapers do they have left?

- A. 112,110 newspapers
- B. 122,100 newspapers
- C. 121,100 newspapers
- D. 102,100 newspapers

**108.** The Speedy Toy Company built 153,912 toy cars last year. This year they built 142,071 toy cars.

How many more toy cars did they make last year?

- A. 10,941 toy cars
- B. 11,841 toy cars
- C. 11,941 toy cars
- D. 1,841 toy cars