

Georgia
CRCT
online



6th Grade Math Test

Sixth Grade Mathematics
Test

Practice Test

Name: _____

Date: _____

Instructions:

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1. What term describes a straight line that connects two points of a circle and passes through the midpoint of the circle?

- A. chord
 - B. circumference
 - C. diameter
 - D. radius
-

2. What is the least common multiple of 3 and 11?

- A. 43
 - B. 33
 - C. 22
 - D. 13
-

3. Elena is mailing 3 books to her cousin. Each book is 7 inches long and 4 inches wide. She will mail the books together in 1 box. She wants to determine what size box she needs to mail the books.

What information does she need?

- A. the distance the books will be sent
 - B. the number of pages in each book
 - C. the thickness of each book
 - D. the weight of the books
-

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4. Use the problem solving strategy of creating a chart to solve the problem below.

A student is making a phone call to her mother. She needs to deposit \$0.35. Using quarters, nickels, or dimes, how many different coin combinations can she use?

- A. 2
 - B. 4
 - C. 6
 - D. 8
-

5. Which number belongs in the box?

99,000 <

- A. 9,000
 - B. 10,000
 - C. 90,000
 - D. 100,000
-

6. What is 26% of 39?

- A. 1.014
 - B. 10.14
 - C. 14.72
 - D. 28.86
-

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7. The Jackson family is planning their summer vacation to visit Aunt Jill. The distance from their home to Aunt Jill's is 480 miles. Mr. Jackson estimates that they can cover this distance at an average speed of 60 miles per hour. At this rate, how long will it take the Jackson family to reach Aunt Jill's home?
- A. 6 hours
 - B. 7 hours
 - C. 8 hours
 - D. 9 hours
-

8. A giant package of hamburger buns weighs 1.35 kilograms. How many grams is this?
- A. .135 g
 - B. 1.35 g
 - C. 135 g
 - D. 1,350 g
-

9. What is the place value of the underlined digit?

7,310,621,984

- A. millions
 - B. thousands
 - C. ten-millions
 - D. hundred-thousands
-

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10. Mateo is given the following equation.

$$m + 8 = 16$$

How should Mateo solve this problem?

- A. add 16 to one side and 8 to the other
 - B. subtract 8 from both sides
 - C. divide both sides by 8
 - D. add 8 to both sides
-

11. Which of the following numbers is an odd number?

- A. 4
 - B. 6
 - C. 7
 - D. 8
-

12. Solve for the variable n .

$$12 \times n = 48$$

- A. 4
 - B. 6
 - C. 24
 - D. 36
-

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13. Identify the place value for the underlined digit.

3,704,079

- A. millions
 - B. thousands
 - C. hundreds
 - D. tens
-

14. If $a = 5$, then find the solution to the equation.

$$a \times 8 = \underline{\quad}$$

- A. 13
 - B. 35
 - C. 40
 - D. 48
-

15. A teacher wrote the word *GEORGIA*, one letter at a time, on 7 individual cards. The cards were placed in a box and mixed up. What is the probability of drawing the letter *G*?

- A. $\frac{1}{7}$
 - B. $\frac{2}{7}$
 - C. $\frac{3}{7}$
 - D. $\frac{4}{7}$
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16. What place is the underlined number in 7,584,321?

- A. thousands
 - B. ten-thousands
 - C. hundreds
 - D. hundred-thousands
-

17. When a number is divided by seven, it has a remainder of 2. When it is divided by six, it has a remainder of 3. What is the number?

- A. 16
 - B. 38
 - C. 44
 - D. 51
-

18. Write 60 as a product of prime numbers.

- A. $2 \times 3 \times 10$
 - B. $2 \times 3 \times 5$
 - C. $4 \times 3 \times 5$
 - D. $2 \times 2 \times 3 \times 5$
-

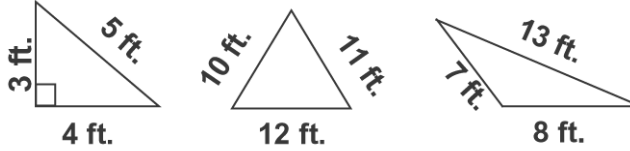
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19. What is true of all the triangles in the diagram?



- A. They are all right triangles.
 - B. They are all obtuse triangles.
 - C. They are all scalene triangles.
 - D. They are all isosceles triangles.
-

20. Solve.

$$(m \times 5) + 6, \text{ if } m = 7$$

- A. 18
 - B. 31
 - C. 36
 - D. 41
-

21. Tamara worked over the weekend.

Day	Hours
Saturday	9.5
Sunday	7

How many more hours did Tamara work on Saturday than on Sunday?

- A. 3 hours
 - B. 2.5 hours
 - C. 2 hours
 - D. 1.5 hours
-

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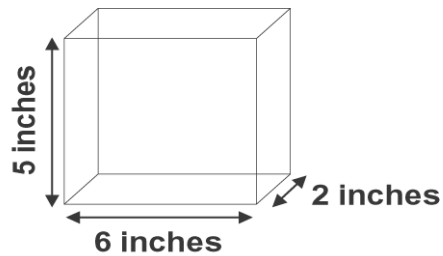
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22. Which of the following is the median of this set of numbers?

6, 15, 19, 20

- A. 6
 - B. 15
 - C. 17
 - D. 19
-

23. What is the volume of the box in the diagram?



- A. 60 inches
 - B. 60 square inches
 - C. 60 cubic inches
 - D. 60 quartic inches
-

24. Which decimal has the same value as $\frac{3}{10}$?

- A. .3
 - B. .03
 - C. 3.0
 - D. .003
-

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25. In which set of numbers is the mean and median the same number?

- A. 0, 20, 50, 100, 100
 - B. 0, 0, 50, 100, 100
 - C. 0, 0, 0, 50, 100
 - D. 1, 2, 2, 2, 2
-

26. A hot dog vendor started the day with 50 hot dogs to sell. Each one costs \$1.50. He now has 20 hot dogs left to sell. What operations do you need to use to find out how much money he made?

- A. add and subtract
 - B. subtract and multiply
 - C. multiply and divide
 - D. subtract and divide
-

27. What is 603,706 rounded to the nearest hundred?

- A. 603,000
 - B. 603,300
 - C. 603,700
 - D. 604,000
-

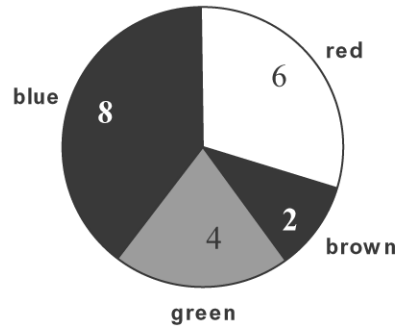
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28. You ask 20 of your friends what their favorite color is. The circle graph below shows how many picked each color. What percent of your friends picked red?



- A. 10%
 - B. 20%
 - C. 30%
 - D. 40%
-

29. Solve for the variable x .

$$x + 34 = 57$$

- A. 13
 - B. 23
 - C. 27
 - D. 31
-

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30. Convert 23 milliliters to liters.

- A. 2,300 liters
 - B. 230 liters
 - C. .230 liters
 - D. .023 liters
-