

Georgia
CRCT
online



6th Grade Math Test B

Sixth Grade Mathematics
Test

Practice Test

Name: _____

Date: _____

Instructions:

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1. Which number sentence below is true?

A. $2 \times (8 \times 3) = 8 \times (2 \times 3)$

B. $14 + 1 = 0 + 14$

C. $2 \times (7 + 4) = 7 \times (2 \times 4)$

D. $8 + 4 = 5 + 8$

2. 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

3. Which of these is a composite number?

A. 3

B. 5

C. 17

D. 35

Name: _____

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4. What is $\frac{2}{3}$ of $\frac{5}{8}$?

A. $\frac{3}{5}$

B. $\frac{7}{11}$

C. $\frac{5}{12}$

D. $\frac{15}{16}$

5. Line S and line G intersect to form 90 degree angles. What is their geometric relationship?

A. parallel

B. perpendicular

C. vertical

D. horizontal

6. Find the pattern in the sequence. What are the next four numbers?

7, 12, 9, 14, 11, 16, _ _ _ _

A. 11, 16, 9, 14

B. 13, 18, 15, 20

C. 15, 20, 17, 22

D. 21, 18, 23, 20

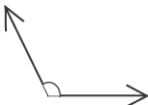



Name: _____

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7. Which of the following is a right angle?

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

8. If $a = 17$, then find the solution to the equation.

$$62 - a = \underline{\hspace{2cm}}$$

- A. 17
B. 45
C. 55
D. 57
-

9. Trucks over 5 tons are not allowed on certain streets. How many pounds is this?

- A. 4,000 pounds
B. 7,000 pounds
C. 10,000 pounds
D. 15,000 pounds
-

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Date: _____

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10. Which of the following numbers is prime?

- A. 1
 - B. 4
 - C. 15
 - D. 17
-

11. Find the product of these numbers.

345

37.05

- A. 1,1782.25
 - B. 11,834.15
 - C. 12,782.25
 - D. 26,382.25
-

12. Which shows

$7000 + 40 + 2$

- A. 742
 - B. 7,042
 - C. 7,402
 - D. 7,420
-

Name: _____

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Date: _____

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13. Using compatible numbers, choose the BEST estimate.

24% of 98

- A. 15
 - B. 25
 - C. 50
 - D. 70
-

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

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

15. How many ounces are in 16 pounds?

- A. 16
 - B. 160
 - C. 256
 - D. 1600
-

16. Use mental math to solve.

$$\begin{array}{r} 750 \\ \times 300 \\ \hline \end{array}$$

- A. 225,000
 - B. 235,000
 - C. 245,000
 - D. 375,000
-

Name: _____

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17. Canberra School is going on a field trip. Room 22 will have 23 passengers on the bus, while Room 24 will have 19 passengers on the bus, and Room 26 will have 21 passengers on the bus. How many passengers will be on the bus from Canberra School?

- A. 63
 - B. 72
 - C. 89
 - D. 135
-

18. Find the mode for this set of numbers.

{2, 3, 5, 4, 6, 4, 1, 4, 2}

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

19. Round 0.7842 to the nearest tenth.

- A. 0.7
 - B. 0.78
 - C. 0.79
 - D. 0.8
-

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Date: _____

Teacher: Practice Test

20. 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
-

21. If $a = 40$, then the solution to $a \div 40$ is what?

- A. 0
 - B. 20
 - C. 80
 - D. 160
-

22. In England during the Middle Ages, the unit of measurement for cloth was an ell. A piece of cloth 67.5 inches long would be equal to about $1\frac{1}{2}$ ells. One ell is about how many inches?

- A. 101
 - B. 69
 - C. 45
 - D. 33.5
-

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23. Jan charged \$15.75 for each birdhouse she built. If her materials cost \$10.25 per house, how much profit could she earn after 5 houses?

- A. \$25.50
 - B. \$27.50
 - C. \$51.25
 - D. \$78.75
-

24. What is the difference between the number of lengths the girls and boys swam?

Team Members	Number of Lengths Completed
Amy	10
George	8
Jill	9
Scott	8
Melissa	9
Tom	12

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

25. What is 529 rounded to the nearest ten?

- A. 510
 - B. 520
 - C. 530
 - D. 540
-

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26. What is an angle that measures 98 degrees?

- A. obtuse
 - B. acute
 - C. right
 - D. straight
-

27. Which set of numbers is the prime factorization of 36?

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

28. Which division problem has no remainder?

- A. $821 \div 3$
 - B. $129 \div 3$
 - C. $244 \div 3$
 - D. $253 \div 3$
-

29. Which pair of numbers represents the greatest and the least number in the following set?

$\{0.7, 2, 0.08, 1.69, 1.8\}$

- A. $\{1.8, 2\}$
 - B. $\{1.69, 0.08\}$
 - C. $\{2, 0.08\}$
 - D. $\{2, 0.7\}$
-

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30. What is the least common multiple (LCM) of 8 and 10?

- A. 80
 - B. 24
 - C. 16
 - D. 40
-