

# Comprehensive Test 6.1

## 5<sup>th</sup> Grade Skills to Maintain

1. For which number will a list of its factors include 7?
  - a. 24
  - b. 26
  - c. 28
  - d. 30
  
2. Which number is both a multiple of 6 and a factor of 60?
  - a. 10
  - b. 12
  - c. 15
  - d. 20

## Absolute Value

3. Which of the following is a number less than 0?
  - a.  $|0|$
  - b.  $-|-1|$
  - c.  $|20|$
  - d.  $|11|$
  
4. Solve  $|10 - 15|$ 
  - a. 25
  - b. 5
  - c. -5
  - d. -25

## Distributive Property/GCF/LCM

5. Which of the following choices is equal to  $22 + 36$ ?
  - a.  $2(11+16)$
  - b.  $2(11+18)$
  - c.  $3(7+12)$
  - d.  $3(22+12)$
  
6. Which equation is true and uses the GCF of 12 and 30?
  - a.  $12 + 30 = 2(6 + 15)$
  - b.  $12 + 30 = 3(4 + 10)$
  - c.  $12 + 30 = 6(2 + 5)$
  - d.  $12 + 30 = 6(2 + 7)$

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**Use the passage to answers questions 7- 9: Cindy is having a birthday party, and she wants to make gift bags for her guest. She has 36 game cards and 60 colored pencils to divide among the gift bags. She wants to give the same number of each item to each guest.**

**7. What is the greatest number of gift bags she can make?**

- a. 6
- b. 180
- c. 2
- d. 10

**8. How many game cards will each guest get?**

- a. 6
- b. 180
- c. 2
- d. 10

**9. How many colored pencils will each guest get?**

- a. 6
- b. 180
- c. 2
- d. 10

**10. What is the LCM for 8 and 12?**

- a. 24
- b. 48
- c. 72
- d. 96

### Representing Integers

**11. Which situation could be represented by the integer -2?**

- a. A football team gains 2 yards on a play.
- b. A golfer's score is 2 over par.
- c. A city is 2 feet below sea level.
- d. A student earns 2 bonus points on a quiz.

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12. Which of these situations can be modeled with additive inverses? Select the two correct answers.

- a. E.J. walks 1 mile to the store. Then he walks 1 mile further to his friend's house.
- b. A bird is flying 8 feet above the surface of the lake. Then it dives 10 feet to catch a fish.
- c. Sofia earns \$15 babysitting. Then she pays \$15 for a new T-shirt.
- d. A commuter train travels 3 miles north from the center of town. Then it travels 3 miles west.
- e. Malik takes the elevator up 5 floors to his office. At the end of the day, he takes the elevator down 5 floors to go home.

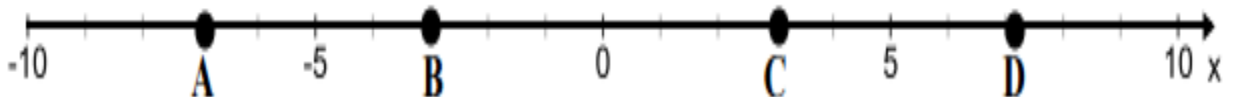
13. Which integer represents 10 degrees Fahrenheit below zero?

- a. 10
- b. 0
- c. -10
- d. 20

14. Which value is equal to -8?

- a.  $-(-8)$
- b.  $|8|$
- c.  $|-8|$
- d.  $-|-8|$

15. Which of the following points is found at -3?



- a. A
- b. B
- c. C
- d. D

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## Computation of Integers

16. Evaluate  $-3 - 11 =$

- a. -14
- b. 8
- c. -8
- d. 14

17. At the start of the month, the value of an investment was \$48.45. By the end of the month, the value of the investment changed by a loss of \$13.80.

What is the value, in dollars, of the investment at the end of the month?

- a. 62.25
- b. -34.65
- c. -13.80
- d. 34.65

18. Evaluate  $-15 + 6 =$

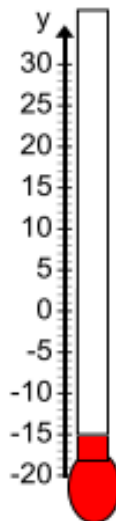
- a. 9
- b. 21
- c. -21
- d. -9

19. A submarine is 58 feet below sea level. An airplane is 264 feet above sea level/ How far above the submarine is the airplane?

- a. 216 feet
- b. 322feet
- c. 312 feet
- d. 316 feet

20. The thermometer shows the temperature at the North Pole when Chris woke up this morning. The temperature rose 20 degrees by noon. What was the temperature at noon?

- a.  $0^{\circ}$
- b. -5
- c. 35
- d. 5



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## Computation of Decimals

21. Barb had \$10 in her bank account. She used her debit card to pay \$41 for dinner. What is the new balance of her bank account after the \$41.00 is deducted?

- a. -51
- b. -31
- c. 31
- d. 51

22. Mr. Reilly brought the following three items at a music store. How much change did he receive from \$50.00?

- a. \$6.92
- b. \$7.08
- c. \$16.90
- d. \$43.08

CD \$18.10
CD Case \$15.00
Headphones \$9.98

Computation of Fractions \*BONUS +3 each \*Complete on the back of your zip grade.

1.)  $\frac{1}{4} - \frac{1}{2} =$

2.)  $-\frac{3}{5} + \frac{1}{6} =$