

Name: _____

School: _____

Class: _____

Date: _____

Addition and Subtraction Unit Test

Multiple choice: choose the correct answer from the options given.

1. When adding integers with different signs (a positive and a negative) you should
 - a. Add and keep the sign of the larger number
 - b. Subtract and keep the sign of the larger number
 - c. Add and keep the sign of the smaller number
 - d. Subtract and keep the sign of the smaller number

2. When adding integers with same signs you should
 - a. Add and keep the sign of the larger number
 - b. Add and keep the sign
 - c. Subtract and keep the sign of the larger number
 - d. Subtract and keep the sign

3. The _____ property of addition states that you can add numbers in any order.
 - a. Commutative
 - b. Associative
 - c. Identity
 - d. None of the above

4. The _____ property of addition states that you can group numbers in any combination.
 - a. Commutative
 - b. Associative
 - c. Identity
 - d. None of the above

5. Solve: $-7 - 5 =$
- a. -2
 - b. -12
 - c. 12
 - d. 2
6. $6 + 3 = 3 + 6$ is an example of which property of addition?
- a. Commutative
 - b. Associative
 - c. Identity
 - d. None of the above
7. In the expression $n - 5 = 20$, n is equal to
- a. 20
 - b. 5
 - c. 25
 - d. 15
8. Emily bought some ice cream cones which cost \$24. She paid \$ m and got back \$6 of change. Find m . Which expression would best solve this problem?
- a. $24 - m = 6$
 - b. $m - 24 = 6$
 - c. $24 + m = 6$
 - d. $m + 24 = 6$
9. $(6 + 3) + 4 = 6 + (3 + 4)$ is an example of which property of addition?
- a. Commutative
 - b. Associative
 - c. Identity
 - d. None of the above

10. In the morning, there were 56 people at the beach. Later at noon n people arrived at the beach. There were then 126 people at the beach. How many people arrived at the beach at noon?
- a. 182
 - b. 70
 - c. 56
 - d. 126

Problem Solving: Solve the following based on the instructions given.

Solve the following using mental math.

- 11. $-5 + 2 =$
- 12. $3 - (-1) =$
- 13. $-6 + (-6) =$
- 14. $-3 - (-1) =$
- 15. $-5 - 3 =$

Solve the following. Answer in complete sentences.

16. The temperature was -5 degrees F but raised 2 degrees F. What was the new temperature?

Expression:

Answer:

17. Susan's bank account was \$157 negative before she deposited \$200. What was her new balance?

Expression:

Answer:

18. Jessica was given \$20 for her birthday. She bought a pair of shoes for \$30. What was her new balance?

Expression:

Answer:

Solve for the missing variables.

19. $10 + j = 19$

20. $V + 16 = 32$

21. $54 - n = 24$

22. $Y - 19 = 35$

23. $5 + n = 11$

Solve the following. Answer in complete sentences. Show some rough work.

24. The train was scheduled to leave at 40 minutes after noon but due to maintenance, the train left x minutes later than the scheduled time. At the end, the train left 75 minutes after noon. How many minutes late did the train leave?

25. Ashley bought 2 boxes of small toys of party favors for her daughter's birthday party. The bigger box contains t toys and the smaller box contains 12 toys. She bought a total of 28 toys. Find t .