

Practice 2-1

Use mental math to simplify each expression.

1. $4 \cdot 13 \cdot 25$

2. $700 + 127 + 300$

3. $68 + 85 + 32$

4. $2 \cdot 3 \cdot 4 \cdot 5$

5. $-14 + 71 + 29 + (-86)$

6. $125 \cdot 9 \cdot 8$

7. $20 \cdot 7 \cdot 5$

8. $217 + 545 - 17$

9. $39 + 27 + 11$

10. $4 \cdot 12 \cdot 250$

11. $19 + 0 + (-9)$

12. $-6 \cdot 1 \cdot 30$

Write the letter of the property shown.

13. $14(mn) = (14m)n$ _____

14. $19 + 11 = 11 + 19$ _____

15. $k \cdot 1 = k$ _____

16. $(x + y) + z = x + (y + z)$ _____

17. $65t = t(65)$ _____

18. $p = 0 + p$ _____

19. $n = 1 \cdot n$ _____

20. $(x + p) + (r + t) = (r + t) + (x + p)$ _____

21. $(h + 0) + 4 = h + 4$ _____

22. $x + yz = x + zy$ _____

- a. Commutative Property of Addition
- b. Associative Property of Addition
- c. Commutative Property of Multiplication
- d. Associative Property of Multiplication
- e. Additive Identity
- f. Multiplicative Identity

Evaluate each expression.

23. $x(yz)$, for $x = 8, y = -9, z = 5$ _____

24. $q + r + s$, for $q = 46, r = 19, s = 54$ _____

25. $a(b)(-c)$, for $a = 7, b = -2, c = 15$ _____

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