

Word & Application Problems Answer Key

1. Sarah and Ben have the same total (8 balloons).

Commutative Property of Addition - $3 + 5 = 5 + 3$.

2. Same number of desks (24 total).

Commutative Property of Multiplication - $4 \times 6 = 6 \times 4$.

3. Same total (40 candies).

Commutative Property of Multiplication - $8 \times 5 = 5 \times 8$.

4. Same total (9 pets).

Commutative Property of Addition - $7 + 2 = 2 + 7$.

5. Same total (27 trees).

Commutative Property of Multiplication - $3 \times 9 = 9 \times 3$.

6. Same total (10 coins).

Commutative Property of Addition - $4 + 6 = 6 + 4$.

Choose the Correct Expression

7. d) 5×2 and 2×5 - Multiplication is commutative; product stays the same.

8. b) 7×9 and 9×7 - Multiplication is commutative; product stays the same.

9. a) $3 + 4$ and $4 + 3$ - Addition is commutative; sum stays the same.

10. d) 10×2 and 2×10 - Multiplication is commutative; product stays the same.

11. a) $4 + 11$ and $11 + 4$ - Addition is commutative; sum stays the same.

12. c) 8×6 and 6×8 - Multiplication is commutative; product stays the same.

13. b) $4 + 8$ and $8 + 4$ - Addition is commutative; sum stays the same.