



Finding Associative Property of Multiplication

Name: _____

Determine which choice is an equivalent equation.

Answers

1) Which expression is equal to $7 \times (8 \times 0)$
 A. $7 + (8 + 0)$
 B. $7 + (8 \times 0)$
 C. $(7 \times 8) + 0$
 D. $(7 \times 8) \times 0$

2) Which expression is equal to $(4 \times 9) \times 7$
 A. $4 + (9 + 7)$
 B. $4 \times (9 + 7)$
 C. $4 \times (9 \times 7)$
 D. $(4 + 9) \times 7$

3) Which expression is equal to $(9 \times 3) \times 1$
 A. $(9 \times 3) + 1$
 B. $9 \times (3 + 1)$
 C. $9 + (3 \times 1)$
 D. $9 \times (3 \times 1)$

4) Which expression is equal to $(1 \times 0) \times 7$
 A. $(1 \times 0) + 7$
 B. $(1 + 0) \times 7$
 C. $1 \times (0 + 7)$
 D. $1 \times (0 \times 7)$

5) Which expression is equal to $6 \times (9 \times 3)$
 A. $(6 \times 9) + 3$
 B. $6 + (9 + 3)$
 C. $(6 + 9) + 3$
 D. $(6 \times 9) \times 3$

6) Which expression is equal to $(1 \times 2) \times 10$
 A. $(1 + 2) + 10$
 B. $1 \times (2 \times 10)$
 C. $1 + (2 + 10)$
 D. $1 + (2 \times 10)$

7) Which expression is equal to $2 \times (3 \times 10)$
 A. $2 + (3 \times 10)$
 B. $(2 \times 3) + 10$
 C. $(2 \times 3) \times 10$
 D. $(2 + 3) + 10$

8) Which expression is equal to $2 \times (8 \times 6)$
 A. $2 + (8 + 6)$
 B. $(2 \times 8) + 6$
 C. $(2 \times 8) \times 6$
 D. $2 \times (8 + 6)$

9) Which expression is equal to $(6 \times 10) \times 5$
 A. $(6 + 10) + 5$
 B. $(6 \times 10) + 5$
 C. $6 + (10 \times 5)$
 D. $6 \times (10 \times 5)$

10) Which expression is equal to $1 \times (8 \times 5)$
 A. $(1 + 8) \times 5$
 B. $(1 \times 8) \times 5$
 C. $1 \times (8 + 5)$
 D. $(1 \times 8) + 5$

11) Which expression is equal to $(8 \times 10) \times 9$
 A. $8 + (10 \times 9)$
 B. $8 + (10 + 9)$
 C. $8 \times (10 \times 9)$
 D. $8 \times (10 + 9)$

12) Which expression is equal to $(9 \times 4) \times 5$
 A. $9 + (4 + 5)$
 B. $9 \times (4 + 5)$
 C. $(9 + 4) \times 5$
 D. $9 \times (4 \times 5)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Finding Associative Property of Multiplication

Name: **Answer Key**

Determine which choice is an equivalent equation.

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C. $(7 \times 8) + 0$
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C. $(9 + 4) \times 5$
D. $9 \times (4 \times 5)$

Answers1. **D**2. **C**3. **D**4. **D**5. **D**6. **B**7. **C**8. **C**9. **D**10. **B**11. **C**12. **D**