



Finding Associative Property of Multiplication

Name: _____

Determine which choice is an equivalent equation.

Answers

1) Which expression is equal to $5 \times (4 \times 3)$
A. $(5 \times 4) \times 3$
B. $(5 \times 4) + 3$
C. $5 \times (4 + 3)$
D. $5 + (4 \times 3)$

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

3) Which expression is equal to $8 \times (1 \times 6)$
A. $(8 \times 1) \times 6$
B. $8 \times (1 + 6)$
C. $(8 + 1) \times 6$
D. $8 + (1 \times 6)$

4) Which expression is equal to $7 \times (1 \times 2)$
A. $(7 \times 1) + 2$
B. $7 \times (1 + 2)$
C. $(7 \times 1) \times 2$
D. $(7 + 1) + 2$

5) Which expression is equal to $2 \times (1 \times 4)$
A. $2 \times (1 + 4)$
B. $(2 + 1) \times 4$
C. $(2 \times 1) + 4$
D. $(2 \times 1) \times 4$

6) Which expression is equal to $(3 \times 0) \times 8$
A. $3 \times (0 + 8)$
B. $3 \times (0 \times 8)$
C. $3 + (0 + 8)$
D. $(3 + 0) \times 8$

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

8) Which expression is equal to $9 \times (1 \times 4)$
A. $(9 + 1) \times 4$
B. $(9 \times 1) \times 4$
C. $9 \times (1 + 4)$
D. $(9 + 1) + 4$

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

10) Which expression is equal to $(10 \times 5) \times 7$
A. $10 \times (5 \times 7)$
B. $(10 + 5) \times 7$
C. $(10 \times 5) + 7$
D. $10 \times (5 + 7)$

11) Which expression is equal to $(2 \times 4) \times 5$
A. $(2 + 4) + 5$
B. $2 \times (4 + 5)$
C. $2 + (4 + 5)$
D. $2 \times (4 \times 5)$

12) Which expression is equal to $(8 \times 4) \times 9$
A. $(8 \times 4) + 9$
B. $8 \times (4 \times 9)$
C. $8 \times (4 + 9)$
D. $(8 + 4) + 9$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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Name: **Answer Key**

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Answers

- A
- C
- A
- C
- D
- B
- C
- B
- D
- A
- D
- B