



Finding Associative Property of Multiplication

Name: _____

Determine which choice is an equivalent equation.

Answers

- 1) Which expression is equal to $(7 \times 0) \times 2$
A. $7 \times (0 \times 2)$
B. $7 + (0 + 2)$
C. $(7 \times 0) + 2$
D. $(7 + 0) \times 2$
- 2) Which expression is equal to $(3 \times 10) \times 6$
A. $3 \times (10 \times 6)$
B. $3 \times (10 + 6)$
C. $(3 \times 10) + 6$
D. $3 + (10 \times 6)$
- 3) Which expression is equal to $3 \times (1 \times 0)$
A. $(3 + 1) + 0$
B. $3 + (1 + 0)$
C. $3 + (1 \times 0)$
D. $(3 \times 1) \times 0$
- 4) Which expression is equal to $0 \times (1 \times 2)$
A. $0 \times (1 + 2)$
B. $0 + (1 \times 2)$
C. $(0 \times 1) \times 2$
D. $(0 \times 1) + 2$
- 5) Which expression is equal to $5 \times (6 \times 4)$
A. $5 + (6 \times 4)$
B. $(5 \times 6) \times 4$
C. $5 \times (6 + 4)$
D. $(5 \times 6) + 4$
- 6) Which expression is equal to $(3 \times 1) \times 5$
A. $3 + (1 \times 5)$
B. $(3 \times 1) + 5$
C. $3 \times (1 \times 5)$
D. $(3 + 1) \times 5$
- 7) Which expression is equal to $1 \times (7 \times 4)$
A. $(1 + 7) + 4$
B. $1 + (7 + 4)$
C. $(1 \times 7) + 4$
D. $(1 \times 7) \times 4$
- 8) Which expression is equal to $2 \times (8 \times 1)$
A. $2 + (8 \times 1)$
B. $(2 \times 8) + 1$
C. $(2 + 8) + 1$
D. $(2 \times 8) \times 1$
- 9) Which expression is equal to $(5 \times 3) \times 4$
A. $(5 + 3) \times 4$
B. $5 \times (3 + 4)$
C. $(5 + 3) + 4$
D. $5 \times (3 \times 4)$
- 10) Which expression is equal to $(3 \times 2) \times 10$
A. $3 \times (2 \times 10)$
B. $(3 + 2) + 10$
C. $(3 + 2) \times 10$
D. $3 \times (2 + 10)$
- 11) Which expression is equal to $(2 \times 5) \times 6$
A. $(2 + 5) + 6$
B. $2 \times (5 + 6)$
C. $2 \times (5 \times 6)$
D. $2 + (5 + 6)$
- 12) Which expression is equal to $7 \times (1 \times 10)$
A. $(7 \times 1) \times 10$
B. $(7 + 1) + 10$
C. $(7 \times 1) + 10$
D. $7 + (1 + 10)$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



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Name: **Answer Key**

Determine which choice is an equivalent equation.

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 B. $3 + (1 + 0)$
 C. $3 + (1 \times 0)$
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 B. $(7 + 1) + 10$
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 D. $7 + (1 + 10)$

Answers

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