

## Finding Associative Property of Multiplication

Name:

## Determine which choice is an equivalent equation.

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

  - B.(8+2)+3 $C.8 + (2 \times 3)$

  - $D.8 \times (2 + 3)$
- 11) Which expression is equal to  $(10 \times 2) \times 0$ 
  - A.(10+2)+0
  - B. 10 + (2 + 0)
  - $C.10 \times (2 + 0)$
  - D.  $10 \times (2 \times 0)$

Math

- 2) Which expression is equal to  $(3 \times 0) \times 5$ 
  - A.(3+0)+5
  - B.  $3 \times (0 + 5)$
  - $C.3 \times (0 \times 5)$
  - $D.3 + (0 \times 5)$
- 4) Which expression is equal to  $7 \times (5 \times 6)$ 
  - A.7 + (5 + 6)
  - B.(7+5)+6
  - $C.7 + (5 \times 6)$
  - $D.(7 \times 5) \times 6$
- 6) Which expression is equal to  $7 \times (8 \times 1)$ 
  - $A.(7+8) \times 1$
  - B.7 + (8 + 1)
  - $C.(7 \times 8) \times 1$
  - $D.7 + (8 \times 1)$
- 8) Which expression is equal to
  - $4 \times (2 \times 6)$
  - A.(4+2)+6
  - B.  $(4 \times 2) + 6$
  - $C.4 + (2 \times 6)$
  - $D.(4 \times 2) \times 6$
- **10)** Which expression is equal to
  - $4 \times (10 \times 2)$
  - A.  $(4 \times 10) \times 2$
  - B.  $(4 + 10) \times 2$
  - $C.(4 \times 10) + 2$
  - $D.4 \times (10 + 2)$
- 12) Which expression is equal to
  - $1 \times (8 \times 6)$
  - $A.1 \times (8 + 6)$
  - B.  $1 + (8 \times 6)$
  - $C.(1\times8)\times6$
  - D.1 + (8 + 6)

- 12.



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  - A (0 + 2 ) +
  - $A.(8 \times 2) \times 3$
  - B.(8+2)+3
  - $C.8 + (2 \times 3)$
  - $D.8 \times (2 + 3)$
- 11) Which expression is equal to  $(10 \times 2) \times 0$ 
  - A.(10+2)+0
  - B. 10 + (2 + 0)
  - $C.10 \times (2 + 0)$
  - D.  $10 \times (2 \times 0)$

- 2) Which expression is equal to  $(3 \times 0) \times 5$ 
  - A.(3+0)+5
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  - $A.(7+8) \times 1$
  - B.7 + (8 + 1)
  - $C.(7 \times 8) \times 1$
  - $D.7 + (8 \times 1)$
- 8) Which expression is equal to  $4 \times (2 \times 6)$ 
  - A ( A + 2 ) + 4
  - A.(4+2)+6
  - B.  $(4 \times 2) + 6$
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- 12) Which expression is equal to  $1 \times (8 \times 6)$ 
  - 1 ~ (0 ~ 0)
  - $A.1 \times (8 + 6)$
  - B.  $1 + (8 \times 6)$
  - $C.(1\times8)\times6$
  - D.1 + (8 + 6)

- 1. **C**
- 2. **C**
- 3. **B**
- ı. **D**
- 5. **D**
- 5. **C**
- . <u>D</u>
- 3. **D**
- 9. **A**
- 10. **A**
- 1. **D**
- 12. **C**