



Determine which choice is an equivalent equation.

**Answers**

1) Which expression is equal to  $(10 \times 7) \times 4$

- A.  $(10 \times 7) + 4$
- B.  $(10 + 7) \times 4$
- C.  $(10 + 7) + 4$
- D.  $10 \times (7 \times 4)$

2) Which expression is equal to  $(4 \times 7) \times 0$

- A.  $4 \times (7 \times 0)$
- B.  $4 + (7 + 0)$
- C.  $(4 + 7) + 0$
- D.  $(4 \times 7) + 0$

3) Which expression is equal to  $5 \times (4 \times 7)$

- A.  $(5 + 4) + 7$
- B.  $(5 \times 4) + 7$
- C.  $5 + (4 \times 7)$
- D.  $(5 \times 4) \times 7$

4) Which expression is equal to  $9 \times (5 \times 2)$

- A.  $(9 + 5) + 2$
- B.  $9 + (5 + 2)$
- C.  $(9 \times 5) \times 2$
- D.  $9 + (5 \times 2)$

5) Which expression is equal to  $10 \times (2 \times 9)$

- A.  $10 \times (2 + 9)$
- B.  $(10 \times 2) \times 9$
- C.  $(10 \times 2) + 9$
- D.  $(10 + 2) \times 9$

6) Which expression is equal to  $10 \times (5 \times 6)$

- A.  $(10 \times 5) \times 6$
- B.  $(10 + 5) + 6$
- C.  $(10 + 5) \times 6$
- D.  $(10 \times 5) + 6$

7) Which expression is equal to  $(9 \times 5) \times 3$

- A.  $9 + (5 + 3)$
- B.  $(9 + 5) + 3$
- C.  $9 \times (5 \times 3)$
- D.  $(9 + 5) \times 3$

8) Which expression is equal to  $(6 \times 7) \times 3$

- A.  $6 \times (7 + 3)$
- B.  $(6 + 7) + 3$
- C.  $6 \times (7 \times 3)$
- D.  $6 + (7 + 3)$

9) Which expression is equal to  $5 \times (7 \times 2)$

- A.  $(5 \times 7) \times 2$
- B.  $(5 + 7) + 2$
- C.  $(5 \times 7) + 2$
- D.  $(5 + 7) \times 2$

10) Which expression is equal to  $2 \times (3 \times 9)$

- A.  $(2 \times 3) + 9$
- B.  $(2 \times 3) \times 9$
- C.  $(2 + 3) + 9$
- D.  $(2 + 3) \times 9$

11) Which expression is equal to  $(6 \times 8) \times 1$

- A.  $6 \times (8 \times 1)$
- B.  $6 \times (8 + 1)$
- C.  $6 + (8 + 1)$
- D.  $(6 \times 8) + 1$

12) Which expression is equal to  $(10 \times 1) \times 7$

- A.  $10 \times (1 \times 7)$
- B.  $10 \times (1 + 7)$
- C.  $(10 + 1) \times 7$
- D.  $(10 \times 1) + 7$

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_



Determine which choice is an equivalent equation.

**Answers**

- 1) Which expression is equal to  $(10 \times 7) \times 4$   
 A.  $(10 \times 7) + 4$   
 B.  $(10 + 7) \times 4$   
 C.  $(10 + 7) + 4$   
 D.  $10 \times (7 \times 4)$

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

- 3) Which expression is equal to  $5 \times (4 \times 7)$   
 A.  $(5 + 4) + 7$   
 B.  $(5 \times 4) + 7$   
 C.  $5 + (4 \times 7)$   
 D.  $(5 \times 4) \times 7$

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 A.  $(9 + 5) + 2$   
 B.  $9 + (5 + 2)$   
 C.  $(9 \times 5) \times 2$   
 D.  $9 + (5 \times 2)$

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

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