



Determine which choice is not an equivalent equation.

**Answers**

1) Which expression is not equal to  $(8 \times 4) \times 3$

- A.  $8 + (4 \times 3)$
- B.  $32 \times 3$
- C.  $8 \times 12$
- D.  $8 \times (4 \times 3)$

2) Which expression is not equal to  $(9 \times 6) \times 8$

- A.  $9 \times (6 \times 8)$
- B.  $54 \times 8$
- C.  $9 \times 48$
- D.  $9 \times 54$

3) Which expression is not equal to  $7 \times (8 \times 10)$

- A.  $(7 \times 8) \times 10$
- B.  $48 \times 10$
- C.  $56 \times 10$
- D.  $7 \times 80$

4) Which expression is not equal to  $(7 \times 4) \times 9$

- A.  $7 \times (4 \times 9)$
- B.  $7 + (4 \times 9)$
- C.  $7 \times 36$
- D.  $28 \times 9$

5) Which expression is not equal to  $3 \times (4 \times 5)$

- A.  $(3 \times 4) \times 5$
- B.  $3 \times 20$
- C.  $3 \times 16$
- D.  $12 \times 5$

6) Which expression is not equal to  $(10 \times 6) \times 8$

- A.  $10 + (6 \times 8)$
- B.  $10 \times (6 \times 8)$
- C.  $60 \times 8$
- D.  $10 \times 48$

7) Which expression is not equal to  $(8 \times 5) \times 10$

- A.  $8 \times (5 \times 10)$
- B.  $8 + (5 \times 10)$
- C.  $8 \times 50$
- D.  $40 \times 10$

8) Which expression is not equal to  $(2 \times 5) \times 8$

- A.  $2 + (5 \times 8)$
- B.  $10 \times 8$
- C.  $2 \times 40$
- D.  $2 \times (5 \times 8)$

9) Which expression is not equal to  $10 \times (7 \times 9)$

- A.  $63 \times 9$
- B.  $(10 \times 7) \times 9$
- C.  $70 \times 9$
- D.  $10 \times 63$

10) Which expression is not equal to  $3 \times (10 \times 6)$

- A.  $(3 \times 10) \times 6$
- B.  $3 \times 60$
- C.  $3 \times 70$
- D.  $30 \times 6$

11) Which expression is not equal to  $5 \times (9 \times 10)$

- A.  $5 \times 90$
- B.  $(5 \times 9) \times 10$
- C.  $(5 + 9) \times 10$
- D.  $45 \times 10$

12) Which expression is not equal to  $(4 \times 3) \times 2$

- A.  $4 \times 3$
- B.  $4 \times 6$
- C.  $12 \times 2$
- D.  $4 \times (3 \times 2)$

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