



**Determine which choice is not an equivalent equation.**

**Answers**

1) Which expression is not equal to  $4 \times (2 \times 10)$

- A.  $10 \times 10$
- B.  $(4 \times 2) \times 10$
- C.  $8 \times 10$
- D.  $4 \times 20$

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

- A.  $2 \times (3 \times 4)$
- B.  $6 \times 4$
- C.  $2 \times 9$
- D.  $2 \times 12$

3) Which expression is not equal to  $8 \times (9 \times 7)$

- A.  $(8 \times 9) \times 7$
- B.  $72 \times 7$
- C.  $(8 + 9) \times 7$
- D.  $8 \times 63$

4) Which expression is not equal to  $9 \times (7 \times 3)$

- A.  $(9 \times 7) \times 3$
- B.  $63 \times 3$
- C.  $(9 + 7) \times 3$
- D.  $9 \times 21$

5) Which expression is not equal to  $4 \times (6 \times 2)$

- A.  $4 \times 18$
- B.  $(4 \times 6) \times 2$
- C.  $4 \times 12$
- D.  $24 \times 2$

6) Which expression is not equal to  $3 \times (9 \times 6)$

- A.  $27 \times 6$
- B.  $3 \times 54$
- C.  $(3 \times 9) \times 6$
- D.  $(3 + 9) \times 6$

7) Which expression is not equal to  $(5 \times 8) \times 6$

- A.  $5 \times 48$
- B.  $32 \times 6$
- C.  $5 \times (8 \times 6)$
- D.  $40 \times 6$

8) Which expression is not equal to  $(6 \times 5) \times 7$

- A.  $6 \times 40$
- B.  $6 \times 35$
- C.  $6 \times (5 \times 7)$
- D.  $30 \times 7$

9) Which expression is not equal to  $4 \times (6 \times 9)$

- A.  $(4 + 6) \times 9$
- B.  $(4 \times 6) \times 9$
- C.  $24 \times 9$
- D.  $4 \times 54$

10) Which expression is not equal to  $5 \times (6 \times 10)$

- A.  $30 \times 10$
- B.  $(5 \times 6) \times 10$
- C.  $5 \times 60$
- D.  $36 \times 10$

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

- A.  $8 \times 21$
- B.  $49 \times 3$
- C.  $56 \times 3$
- D.  $(8 \times 7) \times 3$

12) Which expression is not equal to  $(4 \times 2) \times 7$

- A.  $4 \times 12$
- B.  $4 \times (2 \times 7)$
- C.  $8 \times 7$
- D.  $4 \times 14$

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
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- C.  $8 \times 7$
- D.  $4 \times 14$

1.   **A**  

2.   **C**  

3.   **C**  

4.   **C**  

5.   **A**  

6.   **D**  

7.   **B**  

8.   **A**  

9.   **A**  

10.   **D**  

11.   **B**  

12.   **A**