



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

**Answers**

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

- A.  $3 \times (6 \times 9)$
- B.  $12 \times 9$
- C.  $18 \times 9$
- D.  $3 \times 54$

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

- A.  $6 \times 20$
- B.  $(6 \times 10) \times 3$
- C.  $60 \times 3$
- D.  $6 \times 30$

3) Which expression is not equal to  $5 \times (2 \times 3)$

- A.  $5 \times 6$
- B.  $5 \times 8$
- C.  $(5 \times 2) \times 3$
- D.  $10 \times 3$

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

- A.  $(6 \times 9) \times 2$
- B.  $(6 + 9) \times 2$
- C.  $54 \times 2$
- D.  $6 \times 18$

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

- A.  $8 \times (7 \times 10)$
- B.  $56 \times 10$
- C.  $8 \times 70$
- D.  $8 \times 77$

6) Which expression is not equal to  $(5 \times 10) \times 4$

- A.  $50 \times 4$
- B.  $5 + (10 \times 4)$
- C.  $5 \times 40$
- D.  $5 \times (10 \times 4)$

7) Which expression is not equal to  $2 \times (3 \times 6)$

- A.  $2 \times 18$
- B.  $6 \times 6$
- C.  $(2 + 3) \times 6$
- D.  $(2 \times 3) \times 6$

8) Which expression is not equal to  $9 \times (2 \times 10)$

- A.  $18 \times 10$
- B.  $9 \times 18$
- C.  $9 \times 20$
- D.  $(9 \times 2) \times 10$

9) Which expression is not equal to  $(5 \times 3) \times 7$

- A.  $5 \times 21$
- B.  $5 \times (3 \times 7)$
- C.  $15 \times 7$
- D.  $5 + (3 \times 7)$

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

- A.  $3 \times (10 \times 6)$
- B.  $20 \times 6$
- C.  $3 \times 60$
- D.  $30 \times 6$

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

- A.  $(10 \times 7) \times 3$
- B.  $10 \times 21$
- C.  $70 \times 3$
- D.  $63 \times 3$

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

- A.  $10 \times 30$
- B.  $(10 \times 5) \times 6$
- C.  $50 \times 6$
- D.  $(10 + 5) \times 6$

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



Determine which choice is not an equivalent equation.

**Answers**

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

- A.  $3 \times (6 \times 9)$
- B.  $12 \times 9$
- C.  $18 \times 9$
- D.  $3 \times 54$

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

- A.  $6 \times 20$
- B.  $(6 \times 10) \times 3$
- C.  $60 \times 3$
- D.  $6 \times 30$

3) Which expression is not equal to  $5 \times (2 \times 3)$

- A.  $5 \times 6$
- B.  $5 \times 8$
- C.  $(5 \times 2) \times 3$
- D.  $10 \times 3$

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

- A.  $(6 \times 9) \times 2$
- B.  $(6 + 9) \times 2$
- C.  $54 \times 2$
- D.  $6 \times 18$

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

- A.  $8 \times (7 \times 10)$
- B.  $56 \times 10$
- C.  $8 \times 70$
- D.  $8 \times 77$

6) Which expression is not equal to  $(5 \times 10) \times 4$

- A.  $50 \times 4$
- B.  $5 + (10 \times 4)$
- C.  $5 \times 40$
- D.  $5 \times (10 \times 4)$

7) Which expression is not equal to  $2 \times (3 \times 6)$

- A.  $2 \times 18$
- B.  $6 \times 6$
- C.  $(2 + 3) \times 6$
- D.  $(2 \times 3) \times 6$

8) Which expression is not equal to  $9 \times (2 \times 10)$

- A.  $18 \times 10$
- B.  $9 \times 18$
- C.  $9 \times 20$
- D.  $(9 \times 2) \times 10$

9) Which expression is not equal to  $(5 \times 3) \times 7$

- A.  $5 \times 21$
- B.  $5 \times (3 \times 7)$
- C.  $15 \times 7$
- D.  $5 + (3 \times 7)$

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

- A.  $3 \times (10 \times 6)$
- B.  $20 \times 6$
- C.  $3 \times 60$
- D.  $30 \times 6$

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

- A.  $(10 \times 7) \times 3$
- B.  $10 \times 21$
- C.  $70 \times 3$
- D.  $63 \times 3$

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

- A.  $10 \times 30$
- B.  $(10 \times 5) \times 6$
- C.  $50 \times 6$
- D.  $(10 + 5) \times 6$

1.   **B**  

2.   **A**  

3.   **B**  

4.   **B**  

5.   **D**  

6.   **B**  

7.   **C**  

8.   **B**  

9.   **D**  

10.   **B**  

11.   **D**  

12.   **D**