



Determine which choice is not an equivalent equation.

**Answers**

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

- A.  $36 \times 3$
- B.  $(5 \times 9) \times 3$
- C.  $5 \times 27$
- D.  $45 \times 3$

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

- A.  $7 \times 36$
- B.  $7 + (9 \times 4)$
- C.  $63 \times 4$
- D.  $7 \times (9 \times 4)$

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

- A.  $63 \times 8$
- B.  $9 \times (7 \times 8)$
- C.  $9 \times 49$
- D.  $9 \times 56$

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

- A.  $4 \times (10 \times 6)$
- B.  $40 \times 6$
- C.  $4 \times 60$
- D.  $50 \times 6$

5) Which expression is not equal to  $9 \times (2 \times 7)$

- A.  $(9 \times 2) \times 7$
- B.  $18 \times 7$
- C.  $9 \times 14$
- D.  $9 \times 16$

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

- A.  $(6 \times 5) \times 4$
- B.  $6 \times 20$
- C.  $30 \times 4$
- D.  $6 \times 15$

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

- A.  $9 \times (10 \times 8)$
- B.  $90 \times 8$
- C.  $100 \times 8$
- D.  $9 \times 80$

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

- A.  $36 \times 3$
- B.  $40 \times 3$
- C.  $9 \times 12$
- D.  $(9 \times 4) \times 3$

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

- A.  $3 \times (9 \times 4)$
- B.  $3 \times 36$
- C.  $36 \times 4$
- D.  $27 \times 4$

10) Which expression is not equal to  $(2 \times 9) \times 3$

- A.  $2 \times 27$
- B.  $2 \times (9 \times 3)$
- C.  $18 \times 3$
- D.  $2 \times 18$

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

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

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

- A.  $9 \times 16$
- B.  $80 \times 2$
- C.  $72 \times 2$
- D.  $9 \times (8 \times 2)$

- 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  $5 \times (9 \times 3)$

- A.  $36 \times 3$
- B.  $(5 \times 9) \times 3$
- C.  $5 \times 27$
- D.  $45 \times 3$

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

- A.  $7 \times 36$
- B.  $7 + (9 \times 4)$
- C.  $63 \times 4$
- D.  $7 \times (9 \times 4)$

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

- A.  $63 \times 8$
- B.  $9 \times (7 \times 8)$
- C.  $9 \times 49$
- D.  $9 \times 56$

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

- A.  $4 \times (10 \times 6)$
- B.  $40 \times 6$
- C.  $4 \times 60$
- D.  $50 \times 6$

5) Which expression is not equal to  $9 \times (2 \times 7)$

- A.  $(9 \times 2) \times 7$
- B.  $18 \times 7$
- C.  $9 \times 14$
- D.  $9 \times 16$

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

- A.  $(6 \times 5) \times 4$
- B.  $6 \times 20$
- C.  $30 \times 4$
- D.  $6 \times 15$

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

- A.  $9 \times (10 \times 8)$
- B.  $90 \times 8$
- C.  $100 \times 8$
- D.  $9 \times 80$

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

- A.  $36 \times 3$
- B.  $40 \times 3$
- C.  $9 \times 12$
- D.  $(9 \times 4) \times 3$

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

- A.  $3 \times (9 \times 4)$
- B.  $3 \times 36$
- C.  $36 \times 4$
- D.  $27 \times 4$

10) Which expression is not equal to  $(2 \times 9) \times 3$

- A.  $2 \times 27$
- B.  $2 \times (9 \times 3)$
- C.  $18 \times 3$
- D.  $2 \times 18$

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

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

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

- A.  $9 \times 16$
- B.  $80 \times 2$
- C.  $72 \times 2$
- D.  $9 \times (8 \times 2)$

1.   **A**  

2.   **B**  

3.   **C**  

4.   **D**  

5.   **D**  

6.   **D**  

7.   **C**  

8.   **B**  

9.   **C**  

10.   **D**  

11.   **B**  

12.   **B**