

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

1) Which expression is not equal to  $(4 \times 5) \times 8$

- A.  $15 \times 8$
- B.  $4 \times 40$
- C.  $4 \times (5 \times 8)$
- D.  $20 \times 8$

2) Which expression is not equal to  $(9 \times 8) \times 5$

- A.  $9 \times 48$
- B.  $72 \times 5$
- C.  $9 \times 40$
- D.  $9 \times (8 \times 5)$

3) Which expression is not equal to  $(5 \times 6) \times 9$

- A.  $30 \times 9$
- B.  $24 \times 9$
- C.  $5 \times 54$
- D.  $5 \times (6 \times 9)$

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

- A.  $3 \times 70$
- B.  $3 \times (10 \times 7)$
- C.  $3 \times 80$
- D.  $30 \times 7$

5) Which expression is not equal to  $3 \times (6 \times 4)$

- A.  $3 \times 24$
- B.  $12 \times 4$
- C.  $18 \times 4$
- D.  $(3 \times 6) \times 4$

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

- A.  $(9 \times 3) \times 2$
- B.  $9 \times 3$
- C.  $27 \times 2$
- D.  $9 \times 6$

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

- A.  $(10 \times 7) \times 9$
- B.  $70 \times 9$
- C.  $10 \times 63$
- D.  $77 \times 9$

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

- A.  $12 \times 9$
- B.  $6 \times 18$
- C.  $6 + (2 \times 9)$
- D.  $6 \times (2 \times 9)$

9) Which expression is not equal to  $(8 \times 3) \times 2$

- A.  $8 \times 6$
- B.  $27 \times 2$
- C.  $8 \times (3 \times 2)$
- D.  $24 \times 2$

10) Which expression is not equal to  $5 \times (4 \times 9)$

- A.  $(5 + 4) \times 9$
- B.  $(5 \times 4) \times 9$
- C.  $5 \times 36$
- D.  $20 \times 9$

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

- A.  $3 \times (9 \times 7)$
- B.  $27 \times 7$
- C.  $36 \times 7$
- D.  $3 \times 63$

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

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

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  $(4 \times 5) \times 8$

- A.  $15 \times 8$
- B.  $4 \times 40$
- C.  $4 \times (5 \times 8)$
- D.  $20 \times 8$

2) Which expression is not equal to  $(9 \times 8) \times 5$

- A.  $9 \times 48$
- B.  $72 \times 5$
- C.  $9 \times 40$
- D.  $9 \times (8 \times 5)$

3) Which expression is not equal to  $(5 \times 6) \times 9$

- A.  $30 \times 9$
- B.  $24 \times 9$
- C.  $5 \times 54$
- D.  $5 \times (6 \times 9)$

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

- A.  $3 \times 70$
- B.  $3 \times (10 \times 7)$
- C.  $3 \times 80$
- D.  $30 \times 7$

5) Which expression is not equal to  $3 \times (6 \times 4)$

- A.  $3 \times 24$
- B.  $12 \times 4$
- C.  $18 \times 4$
- D.  $(3 \times 6) \times 4$

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

- A.  $(9 \times 3) \times 2$
- B.  $9 \times 3$
- C.  $27 \times 2$
- D.  $9 \times 6$

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

- A.  $(10 \times 7) \times 9$
- B.  $70 \times 9$
- C.  $10 \times 63$
- D.  $77 \times 9$

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

- A.  $12 \times 9$
- B.  $6 \times 18$
- C.  $6 + (2 \times 9)$
- D.  $6 \times (2 \times 9)$

9) Which expression is not equal to  $(8 \times 3) \times 2$

- A.  $8 \times 6$
- B.  $27 \times 2$
- C.  $8 \times (3 \times 2)$
- D.  $24 \times 2$

10) Which expression is not equal to  $5 \times (4 \times 9)$

- A.  $(5 + 4) \times 9$
- B.  $(5 \times 4) \times 9$
- C.  $5 \times 36$
- D.  $20 \times 9$

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

- A.  $3 \times (9 \times 7)$
- B.  $27 \times 7$
- C.  $36 \times 7$
- D.  $3 \times 63$

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

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

1.   **A**  

2.   **A**  

3.   **B**  

4.   **C**  

5.   **B**  

6.   **B**  

7.   **D**  

8.   **C**  

9.   **B**  

10.   **A**  

11.   **C**  

12.   **C**