

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

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|--|---|
| 1) Which expression is not equal to $9 \times (7 \times 6)$<br>A. $(9 \times 7) \times 6$<br>B. $63 \times 6$<br>C. $(9 + 7) \times 6$<br>D. $9 \times 42$     | 2) Which expression is not equal to $(4 \times 2) \times 10$<br>A. $4 \times 20$<br>B. $4 + (2 \times 10)$<br>C. $4 \times (2 \times 10)$<br>D. $8 \times 10$ |
| 3) Which expression is not equal to $9 \times (8 \times 5)$<br>A. $9 \times 40$<br>B. $(9 \times 8) \times 5$<br>C. $80 \times 5$<br>D. $72 \times 5$          | 4) Which expression is not equal to $8 \times (2 \times 9)$<br>A. $18 \times 9$<br>B. $(8 \times 2) \times 9$<br>C. $16 \times 9$<br>D. $8 \times 18$         |
| 5) Which expression is not equal to $(8 \times 5) \times 4$<br>A. $40 \times 4$<br>B. $8 \times 20$<br>C. $8 + (5 \times 4)$<br>D. $8 \times (5 \times 4)$     | 6) Which expression is not equal to $4 \times (6 \times 9)$<br>A. $(4 + 6) \times 9$<br>B. $24 \times 9$<br>C. $4 \times 54$<br>D. $(4 \times 6) \times 9$    |
| 7) Which expression is not equal to $(5 \times 4) \times 10$<br>A. $20 \times 10$<br>B. $5 \times (4 \times 10)$<br>C. $5 \times 44$<br>D. $5 \times 40$       | 8) Which expression is not equal to $2 \times (10 \times 6)$<br>A. $(2 \times 10) \times 6$<br>B. $(2 + 10) \times 6$<br>C. $2 \times 60$<br>D. $20 \times 6$ |
| 9) Which expression is not equal to $10 \times (8 \times 3)$<br>A. $80 \times 3$<br>B. $10 \times 24$<br>C. $(10 + 8) \times 3$<br>D. $(10 \times 8) \times 3$ | 10) Which expression is not equal to $3 \times (5 \times 8)$<br>A. $3 \times 40$<br>B. $(3 \times 5) \times 8$<br>C. $3 \times 45$<br>D. $15 \times 8$        |
| 11) Which expression is not equal to $9 \times (10 \times 7)$<br>A. $9 \times 70$<br>B. $(9 \times 10) \times 7$<br>C. $9 \times 60$<br>D. $90 \times 7$       | 12) Which expression is not equal to $2 \times (4 \times 5)$<br>A. $(2 \times 4) \times 5$<br>B. $8 \times 5$<br>C. $2 \times 20$<br>D. $4 \times 5$          |

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  $9 \times (7 \times 6)$ 
    - A.  $(9 \times 7) \times 6$
    - B.  $63 \times 6$
    - C.  $(9 + 7) \times 6$
    - D.  $9 \times 42$
  - 2) Which expression is not equal to  $(4 \times 2) \times 10$ 
    - A.  $4 \times 20$
    - B.  $4 + (2 \times 10)$
    - C.  $4 \times (2 \times 10)$
    - D.  $8 \times 10$
  - 3) Which expression is not equal to  $9 \times (8 \times 5)$ 
    - A.  $9 \times 40$
    - B.  $(9 \times 8) \times 5$
    - C.  $80 \times 5$
    - D.  $72 \times 5$
  - 4) Which expression is not equal to  $8 \times (2 \times 9)$ 
    - A.  $18 \times 9$
    - B.  $(8 \times 2) \times 9$
    - C.  $16 \times 9$
    - D.  $8 \times 18$
  - 5) Which expression is not equal to  $(8 \times 5) \times 4$ 
    - A.  $40 \times 4$
    - B.  $8 \times 20$
    - C.  $8 + (5 \times 4)$
    - D.  $8 \times (5 \times 4)$
  - 6) Which expression is not equal to  $4 \times (6 \times 9)$ 
    - A.  $(4 + 6) \times 9$
    - B.  $24 \times 9$
    - C.  $4 \times 54$
    - D.  $(4 \times 6) \times 9$
  - 7) Which expression is not equal to  $(5 \times 4) \times 10$ 
    - A.  $20 \times 10$
    - B.  $5 \times (4 \times 10)$
    - C.  $5 \times 44$
    - D.  $5 \times 40$
  - 8) Which expression is not equal to  $2 \times (10 \times 6)$ 
    - A.  $(2 \times 10) \times 6$
    - B.  $(2 + 10) \times 6$
    - C.  $2 \times 60$
    - D.  $20 \times 6$
  - 9) Which expression is not equal to  $10 \times (8 \times 3)$ 
    - A.  $80 \times 3$
    - B.  $10 \times 24$
    - C.  $(10 + 8) \times 3$
    - D.  $(10 \times 8) \times 3$
  - 10) Which expression is not equal to  $3 \times (5 \times 8)$ 
    - A.  $3 \times 40$
    - B.  $(3 \times 5) \times 8$
    - C.  $3 \times 45$
    - D.  $15 \times 8$
  - 11) Which expression is not equal to  $9 \times (10 \times 7)$ 
    - A.  $9 \times 70$
    - B.  $(9 \times 10) \times 7$
    - C.  $9 \times 60$
    - D.  $90 \times 7$
  - 12) Which expression is not equal to  $2 \times (4 \times 5)$ 
    - A.  $(2 \times 4) \times 5$
    - B.  $8 \times 5$
    - C.  $2 \times 20$
    - D.  $4 \times 5$

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