

**Determine which choice best shows the identity property of multiplication.****Answers**

- 1) A. $(10 \times 5) \times 2 = 10 \times (5 \times 2)$
B. $10 \times 5 = 5 \times 10$
C. $10 \times 1 = 10$
D. $(10 \times 5) + (10 \times 2) = 10 \times (5 + 2)$

- 2) A. $5 \times (0 \times 10) = (5 \times 0) \times 10$
B. $5 \times 0 = 0 \times 5$
C. $5 \times (0 + 10) = (5 \times 0) + (5 \times 10)$
D. $1 \times 5 = 5$

- 3) A. $1 \times 1 = 1$
B. $1 \times (2 \times 9) = (1 \times 2) \times 9$
C. $1 \times 2 = 2 \times 1$
D. $1 \times (2 + 9) = (1 \times 2) + (1 \times 9)$

- 4) A. $7 \times 4 = 4 \times 7$
B. $7 \times 1 = 7$
C. $(7 \times 4) \times 0 = 7 \times (4 \times 0)$
D. $(7 \times 4) + (7 \times 0) = 7 \times (4 + 0)$

- 5) A. $3 \times 9 = 9 \times 3$
B. $3 \times (9 \times 4) = (3 \times 9) \times 4$
C. $3 \times (9 + 4) = (3 \times 9) + (3 \times 4)$
D. $1 \times 3 = 3$

- 6) A. $3 \times 1 = 3$
B. $3 \times 4 = 4 \times 3$
C. $(3 \times 4) + (3 \times 6) = 3 \times (4 + 6)$
D. $(3 \times 4) \times 6 = 3 \times (4 \times 6)$

- 7) A. $(9 \times 4) + (9 \times 1) = 9 \times (4 + 1)$
B. $9 \times 4 = 4 \times 9$
C. $(9 \times 4) \times 1 = 9 \times (4 \times 1)$
D. $9 \times 1 = 9$

- 8) A. $10 \times 1 = 10$
B. $(10 \times 6) \times 4 = 10 \times (6 \times 4)$
C. $10 \times 6 = 6 \times 10$
D. $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

- 9) A. $10 \times 1 = 10$
B. $10 \times 6 = 6 \times 10$
C. $(10 \times 6) \times 5 = 10 \times (6 \times 5)$
D. $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

- 10) A. $7 \times (2 + 6) = (7 \times 2) + (7 \times 6)$
B. $1 \times 7 = 7$
C. $7 \times 2 = 2 \times 7$
D. $7 \times (2 \times 6) = (7 \times 2) \times 6$

- 11) A. $(4 \times 3) \times 8 = 4 \times (3 \times 8)$
B. $4 \times 1 = 4$
C. $4 \times 3 = 3 \times 4$
D. $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

- 12) A. $10 \times 3 = 3 \times 10$
B. $10 \times (3 + 1) = (10 \times 3) + (10 \times 1)$
C. $1 \times 10 = 10$
D. $10 \times (3 \times 1) = (10 \times 3) \times 1$

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