



Determine which choice best shows the associative property of multiplication.

Answers

- 1) A. $7 \times 1 = 7$
 B. $7 \times 2 = 2 \times 7$
 C. $(7 \times 2) \times 4 = 7 \times (2 \times 4)$
 D. $(7 \times 2) + (7 \times 4) = 7 \times (2 + 4)$

- 2) A. $(7 \times 3) + (7 \times 2) = 7 \times (3 + 2)$
 B. $(7 \times 3) \times 2 = 7 \times (3 \times 2)$
 C. $7 \times 1 = 7$
 D. $7 \times 3 = 3 \times 7$

- 3) A. $(2 \times 10) \times 8 = 2 \times (10 \times 8)$
 B. $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$
 C. $2 \times 1 = 2$
 D. $2 \times 10 = 10 \times 2$

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

- 5) A. $2 \times (3 \times 5) = (2 \times 3) \times 5$
 B. $2 \times 3 = 3 \times 2$
 C. $2 \times (3 + 5) = (2 \times 3) + (2 \times 5)$
 D. $1 \times 2 = 2$

- 6) A. $9 \times (3 + 7) = (9 \times 3) + (9 \times 7)$
 B. $9 \times (3 \times 7) = (9 \times 3) \times 7$
 C. $9 \times 3 = 3 \times 9$
 D. $1 \times 9 = 9$

- 7) A. $5 \times (4 + 6) = (5 \times 4) + (5 \times 6)$
 B. $1 \times 5 = 5$
 C. $5 \times (4 \times 6) = (5 \times 4) \times 6$
 D. $5 \times 4 = 4 \times 5$

- 8) A. $2 \times 1 = 2$
 B. $2 \times 6 = 6 \times 2$
 C. $(2 \times 6) \times 0 = 2 \times (6 \times 0)$
 D. $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

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

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

- 11) A. $7 \times 1 = 7$
 B. $7 \times 5 = 5 \times 7$
 C. $(7 \times 5) \times 4 = 7 \times (5 \times 4)$
 D. $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____



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 B. $(7 \times 3) \times 2 = 7 \times (3 \times 2)$
 C. $7 \times 1 = 7$
 D. $7 \times 3 = 3 \times 7$

1. **C**

2. **B**

- 3) A. $(2 \times 10) \times 8 = 2 \times (10 \times 8)$
 B. $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$
 C. $2 \times 1 = 2$
 D. $2 \times 10 = 10 \times 2$
- 4) A. $(9 \times 4) \times 5 = 9 \times (4 \times 5)$
 B. $(9 \times 4) + (9 \times 5) = 9 \times (4 + 5)$
 C. $9 \times 1 = 9$
 D. $9 \times 4 = 4 \times 9$

3. **A**

4. **A**

- 5) A. $2 \times (3 \times 5) = (2 \times 3) \times 5$
 B. $2 \times 3 = 3 \times 2$
 C. $2 \times (3 + 5) = (2 \times 3) + (2 \times 5)$
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- 6) A. $9 \times (3 + 7) = (9 \times 3) + (9 \times 7)$
 B. $9 \times (3 \times 7) = (9 \times 3) \times 7$
 C. $9 \times 3 = 3 \times 9$
 D. $1 \times 9 = 9$

5. **A**

6. **B**

- 7) A. $5 \times (4 + 6) = (5 \times 4) + (5 \times 6)$
 B. $1 \times 5 = 5$
 C. $5 \times (4 \times 6) = (5 \times 4) \times 6$
 D. $5 \times 4 = 4 \times 5$
- 8) A. $2 \times 1 = 2$
 B. $2 \times 6 = 6 \times 2$
 C. $(2 \times 6) \times 0 = 2 \times (6 \times 0)$
 D. $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

7. **C**

8. **C**

9. **D**

- 9) A. $6 \times 10 = 10 \times 6$
 B. $6 \times 1 = 6$
 C. $(6 \times 10) + (6 \times 1) = 6 \times (10 + 1)$
 D. $(6 \times 10) \times 1 = 6 \times (10 \times 1)$
- 10) A. $1 \times 10 = 10 \times 1$
 B. $1 \times 1 = 1$
 C. $1 \times (10 \times 3) = (1 \times 10) \times 3$
 D. $1 \times (10 + 3) = (1 \times 10) + (1 \times 3)$

10. **C**

11. **C**

12. **A**

- 11) A. $7 \times 1 = 7$
 B. $7 \times 5 = 5 \times 7$
 C. $(7 \times 5) \times 4 = 7 \times (5 \times 4)$
 D. $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$
- 12) A. $9 \times (5 \times 4) = (9 \times 5) \times 4$
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 C. $9 \times (5 + 4) = (9 \times 5) + (9 \times 4)$
 D. $1 \times 9 = 9$