



Determine which choice best shows the identity property of multiplication.

Answers

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

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

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

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

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

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

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

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

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

- 10) A.  $(10 \times 3) \times 7 = 10 \times (3 \times 7)$   
 B.  $(10 \times 3) + (10 \times 7) = 10 \times (3 + 7)$   
 C.  $10 \times 1 = 10$   
 D.  $10 \times 3 = 3 \times 10$

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

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

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Answers

1. C

2. A

3. C

4. A

5. B

6. C

7. D

8. B

9. A

10. C

11. D

12. D