



Determine which choice best shows the identity property of multiplication.

Answers

1) A. $0 \times 1 = 0$

B. $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$

C. $(0 \times 10) \times 7 = 0 \times (10 \times 7)$

D. $0 \times 10 = 10 \times 0$

2) A. $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$

B. $8 \times 4 = 4 \times 8$

C. $(8 \times 4) \times 7 = 8 \times (4 \times 7)$

D. $8 \times 1 = 8$

3) A. $8 \times 5 = 5 \times 8$

B. $8 \times (5 \times 4) = (8 \times 5) \times 4$

C. $1 \times 8 = 8$

D. $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$

4) A. $10 \times 9 = 9 \times 10$

B. $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$

C. $1 \times 10 = 10$

D. $10 \times (9 \times 5) = (10 \times 9) \times 5$

5) A. $3 \times 10 = 10 \times 3$

B. $3 \times (10 \times 2) = (3 \times 10) \times 2$

C. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

D. $1 \times 3 = 3$

6) A. $0 \times 10 = 10 \times 0$

B. $0 \times (10 + 5) = (0 \times 10) + (0 \times 5)$

C. $1 \times 0 = 0$

D. $0 \times (10 \times 5) = (0 \times 10) \times 5$

7) A. $2 \times 1 = 2$

B. $2 \times 9 = 9 \times 2$

C. $(2 \times 9) + (2 \times 5) = 2 \times (9 + 5)$

D. $(2 \times 9) \times 5 = 2 \times (9 \times 5)$

8) A. $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$

B. $5 \times 6 = 6 \times 5$

C. $(5 \times 6) \times 7 = 5 \times (6 \times 7)$

D. $5 \times 1 = 5$

9) A. $10 \times (5 \times 7) = (10 \times 5) \times 7$

B. $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$

C. $1 \times 10 = 10$

D. $10 \times 5 = 5 \times 10$

10) A. $1 \times 5 = 5$

B. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$

C. $5 \times 2 = 2 \times 5$

D. $5 \times (2 \times 3) = (5 \times 2) \times 3$

11) A. $(4 \times 6) \times 8 = 4 \times (6 \times 8)$

B. $(4 \times 6) + (4 \times 8) = 4 \times (6 + 8)$

C. $4 \times 6 = 6 \times 4$

D. $4 \times 1 = 4$

12) A. $4 \times 10 = 10 \times 4$

B. $(4 \times 10) \times 1 = 4 \times (10 \times 1)$

C. $(4 \times 10) + (4 \times 1) = 4 \times (10 + 1)$

D. $4 \times 1 = 4$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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- 1) A. $0 \times 1 = 0$
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 C. $(0 \times 10) \times 7 = 0 \times (10 \times 7)$
 D. $0 \times 10 = 10 \times 0$
- 2) A. $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$
 B. $8 \times 4 = 4 \times 8$
 C. $(8 \times 4) \times 7 = 8 \times (4 \times 7)$
 D. $8 \times 1 = 8$

1. **A**

2. **D**

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

3. **C**

4. **C**

5. **D**

6. **C**

- 5) A. $3 \times 10 = 10 \times 3$
 B. $3 \times (10 \times 2) = (3 \times 10) \times 2$
 C. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$
 D. $1 \times 3 = 3$
- 6) A. $0 \times 10 = 10 \times 0$
 B. $0 \times (10 + 5) = (0 \times 10) + (0 \times 5)$
 C. $1 \times 0 = 0$
 D. $0 \times (10 \times 5) = (0 \times 10) \times 5$

7. **A**

8. **D**

9. **C**

10. **A**

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

11. **D**

12. **D**

- 9) A. $10 \times (5 \times 7) = (10 \times 5) \times 7$
 B. $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$
 C. $1 \times 10 = 10$
 D. $10 \times 5 = 5 \times 10$
- 10) A. $1 \times 5 = 5$
 B. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$
 C. $5 \times 2 = 2 \times 5$
 D. $5 \times (2 \times 3) = (5 \times 2) \times 3$

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