



Finding Identity Property of Multiplication

Name: _____

Determine which choice best shows the identity property of multiplication.

Answers

1) A. $(8 \times 0) \times 7 = 8 \times (0 \times 7)$

B. $8 \times 0 = 0 \times 8$

C. $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

D. $8 \times 1 = 8$

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

B. $7 \times (6 + 5) = (7 \times 6) + (7 \times 5)$

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

D. $7 \times 6 = 6 \times 7$

1. _____

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

B. $9 \times (4 \times 7) = (9 \times 4) \times 7$

C. $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

D. $1 \times 9 = 9$

4) A. $(6 \times 9) + (6 \times 0) = 6 \times (9 + 0)$

B. $(6 \times 9) \times 0 = 6 \times (9 \times 0)$

C. $6 \times 1 = 6$

D. $6 \times 9 = 9 \times 6$

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

B. $(7 \times 8) \times 6 = 7 \times (8 \times 6)$

C. $7 \times 1 = 7$

D. $7 \times 8 = 8 \times 7$

6) A. $10 \times (8 + 2) = (10 \times 8) + (10 \times 2)$

B. $10 \times (8 \times 2) = (10 \times 8) \times 2$

C. $10 \times 8 = 8 \times 10$

D. $1 \times 10 = 10$

7) A. $(3 \times 2) \times 1 = 3 \times (2 \times 1)$

B. $3 \times 1 = 3$

C. $3 \times 2 = 2 \times 3$

D. $(3 \times 2) + (3 \times 1) = 3 \times (2 + 1)$

8) A. $(0 \times 5) \times 6 = 0 \times (5 \times 6)$

B. $0 \times 5 = 5 \times 0$

C. $0 \times 1 = 0$

D. $(0 \times 5) + (0 \times 6) = 0 \times (5 + 6)$

9) A. $0 \times 8 = 8 \times 0$

B. $0 \times (8 + 2) = (0 \times 8) + (0 \times 2)$

C. $1 \times 0 = 0$

D. $0 \times (8 \times 2) = (0 \times 8) \times 2$

10) A. $3 \times 9 = 9 \times 3$

B. $(3 \times 9) \times 1 = 3 \times (9 \times 1)$

C. $3 \times 1 = 3$

D. $(3 \times 9) + (3 \times 1) = 3 \times (9 + 1)$

11) A. $8 \times 1 = 8$

B. $8 \times 9 = 9 \times 8$

C. $(8 \times 9) \times 7 = 8 \times (9 \times 7)$

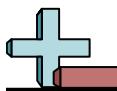
D. $(8 \times 9) + (8 \times 7) = 8 \times (9 + 7)$

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

B. $(4 \times 10) \times 3 = 4 \times (10 \times 3)$

C. $(4 \times 10) + (4 \times 3) = 4 \times (10 + 3)$

D. $4 \times 1 = 4$



Determine which choice best shows the identity property of multiplication.

Answers

1) A. $(8 \times 0) \times 7 = 8 \times (0 \times 7)$

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

1. **D**

B. $8 \times 0 = 0 \times 8$

B. $7 \times (6 + 5) = (7 \times 6) + (7 \times 5)$

2. **A**

C. $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

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

3. **D**

D. $8 \times 1 = 8$

D. $7 \times 6 = 6 \times 7$

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

4) A. $(6 \times 9) + (6 \times 0) = 6 \times (9 + 0)$

4. **C**

B. $9 \times (4 \times 7) = (9 \times 4) \times 7$

B. $(6 \times 9) \times 0 = 6 \times (9 \times 0)$

5. **C**

C. $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

C. $6 \times 1 = 6$

6. **D**

D. $1 \times 9 = 9$

D. $6 \times 9 = 9 \times 6$

7. **B**

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

6) A. $10 \times (8 + 2) = (10 \times 8) + (10 \times 2)$

8. **C**

B. $(7 \times 8) \times 6 = 7 \times (8 \times 6)$

B. $10 \times (8 \times 2) = (10 \times 8) \times 2$

9. **C**

C. $7 \times 1 = 7$

C. $10 \times 8 = 8 \times 10$

10. **C**

D. $7 \times 8 = 8 \times 7$

D. $1 \times 10 = 10$

11. **A**

7) A. $(3 \times 2) \times 1 = 3 \times (2 \times 1)$

8) A. $(0 \times 5) \times 6 = 0 \times (5 \times 6)$

12. **D**

B. $3 \times 1 = 3$

B. $0 \times 5 = 5 \times 0$

C. $3 \times 2 = 2 \times 3$

C. $0 \times 1 = 0$

D. $(3 \times 2) + (3 \times 1) = 3 \times (2 + 1)$

D. $(0 \times 5) + (0 \times 6) = 0 \times (5 + 6)$

9) A. $0 \times 8 = 8 \times 0$

10) A. $3 \times 9 = 9 \times 3$

B. $0 \times (8 + 2) = (0 \times 8) + (0 \times 2)$

B. $(3 \times 9) \times 1 = 3 \times (9 \times 1)$

C. $1 \times 0 = 0$

C. $3 \times 1 = 3$

D. $0 \times (8 \times 2) = (0 \times 8) \times 2$

D. $(3 \times 9) + (3 \times 1) = 3 \times (9 + 1)$

11) A. $8 \times 1 = 8$

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

B. $8 \times 9 = 9 \times 8$

B. $(4 \times 10) \times 3 = 4 \times (10 \times 3)$

C. $(8 \times 9) \times 7 = 8 \times (9 \times 7)$

C. $(4 \times 10) + (4 \times 3) = 4 \times (10 + 3)$

D. $(8 \times 9) + (8 \times 7) = 8 \times (9 + 7)$

D. $4 \times 1 = 4$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								