



Identity Properties of Multiplication

Name: _____

Determine which property of multiplication is shown (Associative, Identity, Distributive or Commutative).

1) $(1 \times 9) \times 7 = 1 \times (9 \times 7)$

1. _____

2) $0 \times (7 \times 1) = (0 \times 7) \times 1$

2. _____

3) $1 \times 5 = 5$

3. _____

4) $1 \times 0 = 0$

4. _____

5) $1 \times 1 = 1$

5. _____

6) $3 \times 5 = 5 \times 3$

6. _____

7) $5 \times 3 = 3 \times 5$

7. _____

8) $6 \times (3 \times 8) = (6 \times 3) \times 8$

8. _____

9) $(3 \times 8) + (3 \times 5) = 3 \times (8 + 5)$

9. _____

10) $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

10. _____

11) $7 \times (4 + 8) = (7 \times 4) + (7 \times 8)$

11. _____

12) $4 \times 1 = 1 \times 4$

12. _____

13) $6 \times (1 \times 4) = (6 \times 1) \times 4$

13. _____

14) $6 \times (7 \times 0) = (6 \times 7) \times 0$

14. _____

15) $0 \times 1 = 1 \times 0$

15. _____

16) $(10 \times 1) + (10 \times 8) = 10 \times (1 + 8)$

16. _____

17) $1 \times (9 + 0) = (1 \times 9) + (1 \times 0)$

17. _____

18) $4 \times 9 = 9 \times 4$

18. _____

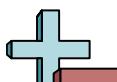
19) $9 \times 1 = 9$

19. _____

20) $1 \times 10 = 10$

20. _____

Answers



Identity Properties of Multiplication

Name: **Answer Key**

Determine which property of multiplication is shown (Associative, Identity, Distributive or Commutative).

1) $(1 \times 9) \times 7 = 1 \times (9 \times 7)$

1. **associative**

2) $0 \times (7 \times 1) = (0 \times 7) \times 1$

2. **associative**

3) $1 \times 5 = 5$

3. **identity**

4) $1 \times 0 = 0$

4. **identity**

5) $1 \times 1 = 1$

5. **identity**

6) $3 \times 5 = 5 \times 3$

6. **commutative**

7) $5 \times 3 = 3 \times 5$

7. **commutative**

8) $6 \times (3 \times 8) = (6 \times 3) \times 8$

8. **associative**

9) $(3 \times 8) + (3 \times 5) = 3 \times (8 + 5)$

9. **distributive**

10) $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

10. **distributive**

11) $7 \times (4 + 8) = (7 \times 4) + (7 \times 8)$

11. **distributive**

12) $4 \times 1 = 1 \times 4$

12. **commutative**

13) $6 \times (1 \times 4) = (6 \times 1) \times 4$

13. **associative**

14) $6 \times (7 \times 0) = (6 \times 7) \times 0$

14. **associative**

15) $0 \times 1 = 1 \times 0$

15. **commutative**

16) $(10 \times 1) + (10 \times 8) = 10 \times (1 + 8)$

16. **distributive**

17) $1 \times (9 + 0) = (1 \times 9) + (1 \times 0)$

17. **distributive**

18) $4 \times 9 = 9 \times 4$

18. **commutative**

19) $9 \times 1 = 9$

19. **identity**

20) $1 \times 10 = 10$

20. **identity**