



Identity Properties of Multiplication

Name: _____

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

1) $0 \times 4 = 4 \times 0$

1. _____

2) $9 \times 7 = 7 \times 9$

2. _____

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

3. _____

4) $10 \times 1 = 10$

4. _____

5) $7 \times (0 \times 4) = (7 \times 0) \times 4$

5. _____

6) $(4 \times 0) \times 7 = 4 \times (0 \times 7)$

6. _____

7) $1 \times 3 = 3 \times 1$

7. _____

8) $3 \times 9 = 9 \times 3$

8. _____

9) $10 \times (5 \times 1) = (10 \times 5) \times 1$

9. _____

10) $1 \times 8 = 8$

10. _____

11) $1 \times 2 = 2$

11. _____

12) $5 \times 1 = 5$

12. _____

13) $7 \times (1 \times 0) = (7 \times 1) \times 0$

13. _____

14) $(2 \times 4) + (2 \times 5) = 2 \times (4 + 5)$

14. _____

15) $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

15. _____

16) $(1 \times 3) + (1 \times 6) = 1 \times (3 + 6)$

16. _____

17) $(6 \times 1) + (6 \times 5) = 6 \times (1 + 5)$

17. _____

18) $1 \times 9 = 9$

18. _____

19) $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

19. _____

20) $(5 \times 7) + (5 \times 0) = 5 \times (7 + 0)$

20. _____

Answers



Identity Properties of Multiplication

Name: **Answer Key**

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

1) $0 \times 4 = 4 \times 0$

1. **commutative**

2) $9 \times 7 = 7 \times 9$

2. **commutative**

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

3. **commutative**

4) $10 \times 1 = 10$

4. **identity**

5) $7 \times (0 \times 4) = (7 \times 0) \times 4$

5. **associative**

6) $(4 \times 0) \times 7 = 4 \times (0 \times 7)$

6. **associative**

7) $1 \times 3 = 3 \times 1$

7. **commutative**

8) $3 \times 9 = 9 \times 3$

8. **commutative**

9) $10 \times (5 \times 1) = (10 \times 5) \times 1$

9. **associative**

10) $1 \times 8 = 8$

10. **identity**

11) $1 \times 2 = 2$

11. **identity**

12) $5 \times 1 = 5$

12. **identity**

13) $7 \times (1 \times 0) = (7 \times 1) \times 0$

13. **associative**

14) $(2 \times 4) + (2 \times 5) = 2 \times (4 + 5)$

14. **distributive**

15) $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

15. **distributive**

16) $(1 \times 3) + (1 \times 6) = 1 \times (3 + 6)$

16. **distributive**

17) $(6 \times 1) + (6 \times 5) = 6 \times (1 + 5)$

17. **distributive**

18) $1 \times 9 = 9$

18. **identity**

19) $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

19. **associative**

20) $(5 \times 7) + (5 \times 0) = 5 \times (7 + 0)$

20. **distributive****Answers**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0