



Identity Properties of Multiplication

Name: _____

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

1) $0 \times 10 = 10 \times 0$

1. _____

2) $(6 \times 7) + (6 \times 2) = 6 \times (7 + 2)$

2. _____

3) $2 \times (6 + 8) = (2 \times 6) + (2 \times 8)$

3. _____

4) $1 \times 7 = 7$

4. _____

5) $1 \times 5 = 5$

5. _____

6) $9 \times (1 \times 0) = (9 \times 1) \times 0$

6. _____

7) $9 \times 1 = 9$

7. _____

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

8. _____

9) $2 \times (8 \times 3) = (2 \times 8) \times 3$

9. _____

10) $5 \times (2 \times 9) = (5 \times 2) \times 9$

10. _____

11) $1 \times 8 = 8$

11. _____

12) $(10 \times 8) + (10 \times 4) = 10 \times (8 + 4)$

12. _____

13) $7 \times (1 \times 8) = (7 \times 1) \times 8$

13. _____

14) $9 \times (7 + 1) = (9 \times 7) + (9 \times 1)$

14. _____

15) $1 \times 10 = 10$

15. _____

16) $2 \times 9 = 9 \times 2$

16. _____

17) $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$

17. _____

18) $6 \times 2 = 2 \times 6$

18. _____

19) $4 \times 2 = 2 \times 4$

19. _____

20) $(0 \times 4) \times 7 = 0 \times (4 \times 7)$

20. _____

Answers



Identity Properties of Multiplication

Name: **Answer Key**

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

1) $0 \times 10 = 10 \times 0$

1. **commutative**

2) $(6 \times 7) + (6 \times 2) = 6 \times (7 + 2)$

2. **distributive**

3) $2 \times (6 + 8) = (2 \times 6) + (2 \times 8)$

3. **distributive**

4) $1 \times 7 = 7$

4. **identity**

5) $1 \times 5 = 5$

5. **identity**

6) $9 \times (1 \times 0) = (9 \times 1) \times 0$

6. **associative**

7) $9 \times 1 = 9$

7. **identity**

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

8. **commutative**

9) $2 \times (8 \times 3) = (2 \times 8) \times 3$

9. **associative**

10) $5 \times (2 \times 9) = (5 \times 2) \times 9$

10. **associative**

11) $1 \times 8 = 8$

11. **identity**

12) $(10 \times 8) + (10 \times 4) = 10 \times (8 + 4)$

12. **distributive**

13) $7 \times (1 \times 8) = (7 \times 1) \times 8$

13. **associative**

14) $9 \times (7 + 1) = (9 \times 7) + (9 \times 1)$

14. **distributive**

15) $1 \times 10 = 10$

15. **identity**

16) $2 \times 9 = 9 \times 2$

16. **commutative**

17) $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$

17. **distributive**

18) $6 \times 2 = 2 \times 6$

18. **commutative**

19) $4 \times 2 = 2 \times 4$

19. **commutative**

20) $(0 \times 4) \times 7 = 0 \times (4 \times 7)$

20. **associative****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