



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

1)  $6 \times (7 + 1) = (6 \times 7) + (6 \times 1)$

Answers

1. \_\_\_\_\_

2)  $3 \times (7 \times 10) = (3 \times 7) \times 10$

2. \_\_\_\_\_

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

3. \_\_\_\_\_

4)  $9 \times 2 = 2 \times 9$

4. \_\_\_\_\_

5)  $(7 \times 6) + (7 \times 9) = 7 \times (6 + 9)$

5. \_\_\_\_\_

6)  $2 \times 1 = 1 \times 2$

6. \_\_\_\_\_

7)  $1 \times 1 = 1$

7. \_\_\_\_\_

8)  $5 \times 10 = 10 \times 5$

8. \_\_\_\_\_

9)  $(4 \times 2) + (4 \times 10) = 4 \times (2 + 10)$

9. \_\_\_\_\_

10)  $1 \times 10 = 10$

10. \_\_\_\_\_

11)  $5 \times (1 \times 3) = (5 \times 1) \times 3$

11. \_\_\_\_\_

12)  $3 \times (10 \times 6) = (3 \times 10) \times 6$

12. \_\_\_\_\_

13)  $4 \times 1 = 4$

13. \_\_\_\_\_

14)  $(10 \times 6) \times 8 = 10 \times (6 \times 8)$

14. \_\_\_\_\_

15)  $(6 \times 0) + (6 \times 10) = 6 \times (0 + 10)$

15. \_\_\_\_\_

16)  $7 \times 1 = 7$

16. \_\_\_\_\_

17)  $1 \times 7 = 7 \times 1$

17. \_\_\_\_\_

18)  $1 \times 4 = 4$

18. \_\_\_\_\_

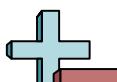
19)  $9 \times 6 = 6 \times 9$

19. \_\_\_\_\_

20)  $(0 \times 9) \times 8 = 0 \times (9 \times 8)$

20. \_\_\_\_\_

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



## Identity Properties of Multiplication

Name: **Answer Key**

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

1)  $6 \times (7 + 1) = (6 \times 7) + (6 \times 1)$

1. **distributive**

2)  $3 \times (7 \times 10) = (3 \times 7) \times 10$

2. **associative**

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

3. **distributive**

4)  $9 \times 2 = 2 \times 9$

4. **commutative**

5)  $(7 \times 6) + (7 \times 9) = 7 \times (6 + 9)$

5. **distributive**

6)  $2 \times 1 = 1 \times 2$

6. **commutative**

7)  $1 \times 1 = 1$

7. **identity**

8)  $5 \times 10 = 10 \times 5$

8. **commutative**

9)  $(4 \times 2) + (4 \times 10) = 4 \times (2 + 10)$

9. **distributive**

10)  $1 \times 10 = 10$

10. **identity**

11)  $5 \times (1 \times 3) = (5 \times 1) \times 3$

11. **associative**

12)  $3 \times (10 \times 6) = (3 \times 10) \times 6$

12. **associative**

13)  $4 \times 1 = 4$

13. **identity**

14)  $(10 \times 6) \times 8 = 10 \times (6 \times 8)$

14. **associative**

15)  $(6 \times 0) + (6 \times 10) = 6 \times (0 + 10)$

15. **distributive**

16)  $7 \times 1 = 7$

16. **identity**

17)  $1 \times 7 = 7 \times 1$

17. **commutative**

18)  $1 \times 4 = 4$

18. **identity**

19)  $9 \times 6 = 6 \times 9$

19. **commutative**

20)  $(0 \times 9) \times 8 = 0 \times (9 \times 8)$

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