



## Identity Properties of Multiplication

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

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

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

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

2)  $1 \times 3 = 3 \times 1$

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

3)  $1 \times (2 \times 8) = (1 \times 2) \times 8$

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

4)  $5 \times 3 = 3 \times 5$

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

5)  $7 \times (2 \times 0) = (7 \times 2) \times 0$

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

6)  $1 \times 1 = 1$

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

7)  $1 \times (10 + 6) = (1 \times 10) + (1 \times 6)$

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

8)  $8 \times 1 = 8$

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

9)  $(4 \times 10) + (4 \times 6) = 4 \times (10 + 6)$

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

10)  $4 \times (10 + 7) = (4 \times 10) + (4 \times 7)$

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

11)  $0 \times 1 = 0$

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

12)  $7 \times (2 \times 8) = (7 \times 2) \times 8$

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

13)  $4 \times 1 = 4$

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

14)  $4 \times 7 = 7 \times 4$

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

15)  $5 \times (8 + 2) = (5 \times 8) + (5 \times 2)$

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

16)  $8 \times (0 + 2) = (8 \times 0) + (8 \times 2)$

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

17)  $7 \times (9 \times 3) = (7 \times 9) \times 3$

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

18)  $7 \times 9 = 9 \times 7$

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

19)  $1 \times 5 = 5$

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

20)  $4 \times (6 \times 7) = (4 \times 6) \times 7$

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

Answers



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

2)  $1 \times 3 = 3 \times 1$

2. **commutative**

3)  $1 \times (2 \times 8) = (1 \times 2) \times 8$

3. **associative**

4)  $5 \times 3 = 3 \times 5$

4. **commutative**

5)  $7 \times (2 \times 0) = (7 \times 2) \times 0$

5. **associative**

6)  $1 \times 1 = 1$

6. **identity**

7)  $1 \times (10 + 6) = (1 \times 10) + (1 \times 6)$

7. **distributive**

8)  $8 \times 1 = 8$

8. **identity**

9)  $(4 \times 10) + (4 \times 6) = 4 \times (10 + 6)$

9. **distributive**

10)  $4 \times (10 + 7) = (4 \times 10) + (4 \times 7)$

10. **distributive**

11)  $0 \times 1 = 0$

11. **identity**

12)  $7 \times (2 \times 8) = (7 \times 2) \times 8$

12. **associative**

13)  $4 \times 1 = 4$

13. **identity**

14)  $4 \times 7 = 7 \times 4$

14. **commutative**

15)  $5 \times (8 + 2) = (5 \times 8) + (5 \times 2)$

15. **distributive**

16)  $8 \times (0 + 2) = (8 \times 0) + (8 \times 2)$

16. **distributive**

17)  $7 \times (9 \times 3) = (7 \times 9) \times 3$

17. **associative**

18)  $7 \times 9 = 9 \times 7$

18. **commutative**

19)  $1 \times 5 = 5$

19. **identity**

20)  $4 \times (6 \times 7) = (4 \times 6) \times 7$

20. **associative****Answers**