



Identity Properties of Multiplication

Name: _____

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

1) $4 \times 3 = 3 \times 4$

1. _____

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

2. _____

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

3. _____

4) $3 \times 6 = 6 \times 3$

4. _____

5) $8 \times 2 = 2 \times 8$

5. _____

6) $2 \times 1 = 2$

6. _____

7) $(9 \times 8) \times 1 = 9 \times (8 \times 1)$

7. _____

8) $(1 \times 8) + (1 \times 9) = 1 \times (8 + 9)$

8. _____

9) $7 \times 1 = 7$

9. _____

10) $(5 \times 0) + (5 \times 8) = 5 \times (0 + 8)$

10. _____

11) $1 \times 0 = 0$

11. _____

12) $4 \times (5 \times 7) = (4 \times 5) \times 7$

12. _____

13) $0 \times (4 + 5) = (0 \times 4) + (0 \times 5)$

13. _____

14) $1 \times (3 + 7) = (1 \times 3) + (1 \times 7)$

14. _____

15) $(10 \times 2) + (10 \times 0) = 10 \times (2 + 0)$

15. _____

16) $8 \times (5 \times 1) = (8 \times 5) \times 1$

16. _____

17) $(5 \times 2) \times 3 = 5 \times (2 \times 3)$

17. _____

18) $3 \times 10 = 10 \times 3$

18. _____

19) $9 \times 1 = 9$

19. _____

20) $0 \times 1 = 0$

20. _____

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



Identity Properties of Multiplication

Name: **Answer Key**

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

1) $4 \times 3 = 3 \times 4$

1. **commutative**

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

2. **associative**

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

3. **commutative**

4) $3 \times 6 = 6 \times 3$

4. **commutative**

5) $8 \times 2 = 2 \times 8$

5. **commutative**

6) $2 \times 1 = 2$

6. **identity**

7) $(9 \times 8) \times 1 = 9 \times (8 \times 1)$

7. **associative**

8) $(1 \times 8) + (1 \times 9) = 1 \times (8 + 9)$

8. **distributive**

9) $7 \times 1 = 7$

9. **identity**

10) $(5 \times 0) + (5 \times 8) = 5 \times (0 + 8)$

10. **distributive**

11) $1 \times 0 = 0$

11. **identity**

12) $4 \times (5 \times 7) = (4 \times 5) \times 7$

12. **associative**

13) $0 \times (4 + 5) = (0 \times 4) + (0 \times 5)$

13. **distributive**

14) $1 \times (3 + 7) = (1 \times 3) + (1 \times 7)$

14. **distributive**

15) $(10 \times 2) + (10 \times 0) = 10 \times (2 + 0)$

15. **distributive**

16) $8 \times (5 \times 1) = (8 \times 5) \times 1$

16. **associative**

17) $(5 \times 2) \times 3 = 5 \times (2 \times 3)$

17. **associative**

18) $3 \times 10 = 10 \times 3$

18. **commutative**

19) $9 \times 1 = 9$

19. **identity**

20) $0 \times 1 = 0$

20. **identity****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