



Identity Properties of Multiplication

Name: _____

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

1) $8 \times 1 = 1 \times 8$

1. _____

2) $6 \times 1 = 6$

2. _____

3) $3 \times (9 + 0) = (3 \times 9) + (3 \times 0)$

3. _____

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

4. _____

5) $8 \times (10 + 2) = (8 \times 10) + (8 \times 2)$

5. _____

6) $8 \times 5 = 5 \times 8$

6. _____

7) $(4 \times 8) \times 3 = 4 \times (8 \times 3)$

7. _____

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

8. _____

9) $7 \times (2 \times 4) = (7 \times 2) \times 4$

9. _____

10) $5 \times 1 = 5$

10. _____

11) $(8 \times 4) + (8 \times 5) = 8 \times (4 + 5)$

11. _____

12) $(5 \times 6) \times 7 = 5 \times (6 \times 7)$

12. _____

13) $9 \times (6 + 10) = (9 \times 6) + (9 \times 10)$

13. _____

14) $1 \times 4 = 4$

14. _____

15) $3 \times 1 = 3$

15. _____

16) $1 \times (4 \times 3) = (1 \times 4) \times 3$

16. _____

17) $7 \times 1 = 7$

17. _____

18) $(7 \times 8) \times 6 = 7 \times (8 \times 6)$

18. _____

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

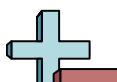
19. _____

20) $6 \times 2 = 2 \times 6$

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**

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2) $6 \times 1 = 6$

3) $3 \times (9 + 0) = (3 \times 9) + (3 \times 0)$

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

5) $8 \times (10 + 2) = (8 \times 10) + (8 \times 2)$

6) $8 \times 5 = 5 \times 8$

7) $(4 \times 8) \times 3 = 4 \times (8 \times 3)$

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

9) $7 \times (2 \times 4) = (7 \times 2) \times 4$

10) $5 \times 1 = 5$

11) $(8 \times 4) + (8 \times 5) = 8 \times (4 + 5)$

12) $(5 \times 6) \times 7 = 5 \times (6 \times 7)$

13) $9 \times (6 + 10) = (9 \times 6) + (9 \times 10)$

14) $1 \times 4 = 4$

15) $3 \times 1 = 3$

16) $1 \times (4 \times 3) = (1 \times 4) \times 3$

17) $7 \times 1 = 7$

18) $(7 \times 8) \times 6 = 7 \times (8 \times 6)$

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

20) $6 \times 2 = 2 \times 6$

Answers1. **commutative**2. **identity**3. **distributive**4. **commutative**5. **distributive**6. **commutative**7. **associative**8. **distributive**9. **associative**10. **identity**11. **distributive**12. **associative**13. **distributive**14. **identity**15. **identity**16. **associative**17. **identity**18. **associative**19. **commutative**20. **commutative**