



Identity Properties of Multiplication

Name: _____

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

1) $1 \times 10 = 10$

1. _____

2) $1 \times 10 = 10 \times 1$

2. _____

3) $5 \times (4 \times 6) = (5 \times 4) \times 6$

3. _____

4) $3 \times 2 = 2 \times 3$

4. _____

5) $(7 \times 1) + (7 \times 5) = 7 \times (1 + 5)$

5. _____

6) $1 \times (2 \times 9) = (1 \times 2) \times 9$

6. _____

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

7. _____

8) $(8 \times 0) + (8 \times 4) = 8 \times (0 + 4)$

8. _____

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

9. _____

10) $1 \times 0 = 0$

10. _____

11) $(8 \times 7) \times 3 = 8 \times (7 \times 3)$

11. _____

12) $1 \times 2 = 2$

12. _____

13) $(10 \times 0) \times 6 = 10 \times (0 \times 6)$

13. _____

14) $(6 \times 2) \times 8 = 6 \times (2 \times 8)$

14. _____

15) $6 \times (0 + 4) = (6 \times 0) + (6 \times 4)$

15. _____

16) $(6 \times 9) + (6 \times 7) = 6 \times (9 + 7)$

16. _____

17) $8 \times 10 = 10 \times 8$

17. _____

18) $4 \times 9 = 9 \times 4$

18. _____

19) $8 \times 1 = 8$

19. _____

20) $6 \times 1 = 6$

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**

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

1) $1 \times 10 = 10$

Answers

2) $1 \times 10 = 10 \times 1$

identity

3) $5 \times (4 \times 6) = (5 \times 4) \times 6$

commutative

4) $3 \times 2 = 2 \times 3$

associative

5) $(7 \times 1) + (7 \times 5) = 7 \times (1 + 5)$

commutative

6) $1 \times (2 \times 9) = (1 \times 2) \times 9$

distributive

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

associative

8) $(8 \times 0) + (8 \times 4) = 8 \times (0 + 4)$

distributive

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

commutative

10) $1 \times 0 = 0$

identity

11) $(8 \times 7) \times 3 = 8 \times (7 \times 3)$

associative

12) $1 \times 2 = 2$

identity

13) $(10 \times 0) \times 6 = 10 \times (0 \times 6)$

associative

14) $(6 \times 2) \times 8 = 6 \times (2 \times 8)$

associative

15) $6 \times (0 + 4) = (6 \times 0) + (6 \times 4)$

distributive

16) $(6 \times 9) + (6 \times 7) = 6 \times (9 + 7)$

distributive

17) $8 \times 10 = 10 \times 8$

commutative

18) $4 \times 9 = 9 \times 4$

commutative

19) $8 \times 1 = 8$

identity

20) $6 \times 1 = 6$

identity

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