



Identity Properties of Multiplication

Name: _____

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

1) $8 \times 1 = 8$

1. _____

2) $7 \times (10 + 8) = (7 \times 10) + (7 \times 8)$

2. _____

3) $(9 \times 2) \times 4 = 9 \times (2 \times 4)$

3. _____

4) $1 \times 5 = 5$

4. _____

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

5. _____

6) $5 \times (7 + 8) = (5 \times 7) + (5 \times 8)$

6. _____

7) $4 \times (10 \times 6) = (4 \times 10) \times 6$

7. _____

8) $1 \times 6 = 6$

8. _____

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

9. _____

10) $1 \times 0 = 0$

10. _____

11) $(6 \times 9) \times 4 = 6 \times (9 \times 4)$

11. _____

12) $6 \times 0 = 0 \times 6$

12. _____

13) $5 \times (3 \times 6) = (5 \times 3) \times 6$

13. _____

14) $5 \times 1 = 1 \times 5$

14. _____

15) $1 \times 1 = 1$

15. _____

16) $2 \times (7 + 10) = (2 \times 7) + (2 \times 10)$

16. _____

17) $(8 \times 4) + (8 \times 3) = 8 \times (4 + 3)$

17. _____

18) $2 \times 8 = 8 \times 2$

18. _____

19) $10 \times 4 = 4 \times 10$

19. _____

20) $3 \times (6 + 5) = (3 \times 6) + (3 \times 5)$

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) $8 \times 1 = 8$

Answers

2) $7 \times (10 + 8) = (7 \times 10) + (7 \times 8)$

distributive

3) $(9 \times 2) \times 4 = 9 \times (2 \times 4)$

associative

4) $1 \times 5 = 5$

identity

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

associative

6) $5 \times (7 + 8) = (5 \times 7) + (5 \times 8)$

distributive

7) $4 \times (10 \times 6) = (4 \times 10) \times 6$

associative

8) $1 \times 6 = 6$

identity

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

commutative

10) $1 \times 0 = 0$

identity

11) $(6 \times 9) \times 4 = 6 \times (9 \times 4)$

associative

12) $6 \times 0 = 0 \times 6$

commutative

13) $5 \times (3 \times 6) = (5 \times 3) \times 6$

associative

14) $5 \times 1 = 1 \times 5$

commutative

15) $1 \times 1 = 1$

identity

16) $2 \times (7 + 10) = (2 \times 7) + (2 \times 10)$

distributive

17) $(8 \times 4) + (8 \times 3) = 8 \times (4 + 3)$

distributive

18) $2 \times 8 = 8 \times 2$

commutative

19) $10 \times 4 = 4 \times 10$

commutative

20) $3 \times (6 + 5) = (3 \times 6) + (3 \times 5)$

distributive

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