Identity Properties of Multiplication

Name:

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

1) $1 \times 0 = 0$

1. _____

2) $1 \times 7 = 7$

2. _____

3) $10 \times 7 = 7 \times 10$

3. _____

4) $1 \times 8 = 8 \times 1$

4. _____

5) $2 \times (6 + 5) = (2 \times 6) + (2 \times 5)$

5. _____

6) $8 \times 1 = 8$

6. _____

7) $(0 \times 9) + (0 \times 5) = 0 \times (9 + 5)$

7. _____

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

8. _____

9) $0 \times (8 \times 4) = (0 \times 8) \times 4$

9. _____

10) $1 \times 4 = 4$

10. _____

11) $(9 \times 7) + (9 \times 0) = 9 \times (7 + 0)$

11. _____

12) $5 \times 1 = 5$

12. _____

13) $2 \times 3 = 3 \times 2$

13. _____

14) $7 \times 3 = 3 \times 7$

14. _____

15) $(4 \times 6) + (4 \times 9) = 4 \times (6 + 9)$

15. _____

16) $4 \times (0 \times 6) = (4 \times 0) \times 6$

16. _____

17) $6 \times (3 \times 8) = (6 \times 3) \times 8$

17. _____

18) $0 \times (4 + 1) = (0 \times 4) + (0 \times 1)$

18. _____

19) $7 \times (3 \times 9) = (7 \times 3) \times 9$

19. _____

20) $0 \times 1 = 1 \times 0$

20. _____

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

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

Answers

1) $1 \times 0 = 0$

1. _____**identity**_____

2) $1 \times 7 = 7$

2. _____**identity**_____

3) $10 \times 7 = 7 \times 10$

3. _____**commutative**_____

4) $1 \times 8 = 8 \times 1$

4. _____**commutative**_____

5) $2 \times (6 + 5) = (2 \times 6) + (2 \times 5)$

5. _____**distributive**_____

6) $8 \times 1 = 8$

6. _____**identity**_____

7) $(0 \times 9) + (0 \times 5) = 0 \times (9 + 5)$

7. _____**distributive**_____

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

8. _____**associative**_____

9) $0 \times (8 \times 4) = (0 \times 8) \times 4$

9. _____**associative**_____

10) $1 \times 4 = 4$

10. _____**identity**_____

11) $(9 \times 7) + (9 \times 0) = 9 \times (7 + 0)$

11. _____**distributive**_____

12) $5 \times 1 = 5$

12. _____**identity**_____

13) $2 \times 3 = 3 \times 2$

13. _____**commutative**_____

14) $7 \times 3 = 3 \times 7$

14. _____**commutative**_____

15) $(4 \times 6) + (4 \times 9) = 4 \times (6 + 9)$

15. _____**distributive**_____

16) $4 \times (0 \times 6) = (4 \times 0) \times 6$

16. _____**associative**_____

17) $6 \times (3 \times 8) = (6 \times 3) \times 8$

17. _____**associative**_____

18) $0 \times (4 + 1) = (0 \times 4) + (0 \times 1)$

18. _____**distributive**_____

19) $7 \times (3 \times 9) = (7 \times 3) \times 9$

19. _____**associative**_____

20) $0 \times 1 = 1 \times 0$

20. _____**commutative**_____

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

Math