



Identity Properties of Multiplication

Name: _____

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

1) $7 \times 0 = 0 \times 7$

1. _____

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

2. _____

3) $5 \times (8 \times 4) = (5 \times 8) \times 4$

3. _____

4) $9 \times (5 + 10) = (9 \times 5) + (9 \times 10)$

4. _____

5) $1 \times 10 = 10$

5. _____

6) $10 \times 5 = 5 \times 10$

6. _____

7) $9 \times 1 = 9$

7. _____

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

8. _____

9) $10 \times (7 \times 5) = (10 \times 7) \times 5$

9. _____

10) $3 \times (2 \times 5) = (3 \times 2) \times 5$

10. _____

11) $4 \times 1 = 4$

11. _____

12) $(10 \times 4) \times 1 = 10 \times (4 \times 1)$

12. _____

13) $1 \times 2 = 2$

13. _____

14) $(2 \times 7) + (2 \times 9) = 2 \times (7 + 9)$

14. _____

15) $8 \times 4 = 4 \times 8$

15. _____

16) $(0 \times 3) \times 1 = 0 \times (3 \times 1)$

16. _____

17) $7 \times 1 = 7$

17. _____

18) $10 \times (0 + 4) = (10 \times 0) + (10 \times 4)$

18. _____

19) $4 \times 9 = 9 \times 4$

19. _____

20) $6 \times (8 + 3) = (6 \times 8) + (6 \times 3)$

20. _____

Answers



Identity Properties of Multiplication

Name: **Answer Key**

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

1) $7 \times 0 = 0 \times 7$

Answers

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

commutative

3) $5 \times (8 \times 4) = (5 \times 8) \times 4$

associative

4) $9 \times (5 + 10) = (9 \times 5) + (9 \times 10)$

distributive

5) $1 \times 10 = 10$

identity

6) $10 \times 5 = 5 \times 10$

commutative

7) $9 \times 1 = 9$

identity

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

distributive

9) $10 \times (7 \times 5) = (10 \times 7) \times 5$

associative

10) $3 \times (2 \times 5) = (3 \times 2) \times 5$

associative

11) $4 \times 1 = 4$

identity

12) $(10 \times 4) \times 1 = 10 \times (4 \times 1)$

associative

13) $1 \times 2 = 2$

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14) $(2 \times 7) + (2 \times 9) = 2 \times (7 + 9)$

distributive

15) $8 \times 4 = 4 \times 8$

commutative

16) $(0 \times 3) \times 1 = 0 \times (3 \times 1)$

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17) $7 \times 1 = 7$

identity

18) $10 \times (0 + 4) = (10 \times 0) + (10 \times 4)$

distributive

19) $4 \times 9 = 9 \times 4$

commutative

20) $6 \times (8 + 3) = (6 \times 8) + (6 \times 3)$

distributive