Identity Properties of Multiplication

Name:

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

1) $7 \times 10 = 10 \times 7$

2) $(9 \times 5) + (9 \times 6) = 9 \times (5 + 6)$

3) $7 \times 1 = 7$

4) $1 \times 7 = 7 \times 1$

5) $(3 \times 2) + (3 \times 6) = 3 \times (2 + 6)$

6) $10 \times 8 = 8 \times 10$

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

8) $(1 \times 3) + (1 \times 6) = 1 \times (3 + 6)$

9) $6 \times 5 = 5 \times 6$

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

11) $2 \times (10 \times 8) = (2 \times 10) \times 8$

12) $(1 \times 3) \times 9 = 1 \times (3 \times 9)$

13) $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

14) $6 \times 1 = 6$

15) $10 \times (4 \times 5) = (10 \times 4) \times 5$

16) $(6 \times 8) + (6 \times 2) = 6 \times (8 + 2)$

17) $5 \times 1 = 5$

18) $1 \times 6 = 6$

19) $3 \times (9 \times 2) = (3 \times 9) \times 2$

20) $1 \times 10 = 10$

Math

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	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).

1) $7 \times 10 = 10 \times 7$

1. ___**commutative**___

2) $(9 \times 5) + (9 \times 6) = 9 \times (5 + 6)$

2. ___**distributive**___

3) $7 \times 1 = 7$

3. ___**identity**___

4) $1 \times 7 = 7 \times 1$

4. ___**commutative**___

5) $(3 \times 2) + (3 \times 6) = 3 \times (2 + 6)$

5. ___**distributive**___

6) $10 \times 8 = 8 \times 10$

6. ___**commutative**___

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

7. ___**commutative**___

8) $(1 \times 3) + (1 \times 6) = 1 \times (3 + 6)$

8. ___**distributive**___

9) $6 \times 5 = 5 \times 6$

9. ___**commutative**___

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

10. ___**associative**___

11) $2 \times (10 \times 8) = (2 \times 10) \times 8$

11. ___**associative**___

12) $(1 \times 3) \times 9 = 1 \times (3 \times 9)$

12. ___**associative**___

13) $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

13. ___**distributive**___

14) $6 \times 1 = 6$

14. ___**identity**___

15) $10 \times (4 \times 5) = (10 \times 4) \times 5$

15. ___**associative**___

16) $(6 \times 8) + (6 \times 2) = 6 \times (8 + 2)$

16. ___**distributive**___

17) $5 \times 1 = 5$

17. ___**identity**___

18) $1 \times 6 = 6$

18. ___**identity**___

19) $3 \times (9 \times 2) = (3 \times 9) \times 2$

19. ___**associative**___

20) $1 \times 10 = 10$

20. ___**identity**___

Math

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