Identity Properties of Multiplication

Name:

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

1) $10 \times 5 = 5 \times 10$

2) $1 \times 5 = 5$

3) $1 \times (2 \times 9) = (1 \times 2) \times 9$

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

5) $1 \times 9 = 9$

6) $4 \times 1 = 4$

7) $(1 \times 4) + (1 \times 9) = 1 \times (4 + 9)$

8) $10 \times 1 = 10$

9) $(6 \times 10) + (6 \times 5) = 6 \times (10 + 5)$

10) $6 \times 2 = 2 \times 6$

11) $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

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

13) $0 \times (9 + 6) = (0 \times 9) + (0 \times 6)$

14) $10 \times 2 = 2 \times 10$

15) $1 \times (4 \times 3) = (1 \times 4) \times 3$

16) $1 \times (4 \times 7) = (1 \times 4) \times 7$

17) $3 \times 1 = 3$

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

19) $3 \times (5 \times 8) = (3 \times 5) \times 8$

20) $2 \times (4 \times 0) = (2 \times 4) \times 0$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
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

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Answers

1. **commutative**
2. **identity**
3. **associative**
4. **commutative**
5. **identity**
6. **identity**
7. **distributive**
8. **identity**
9. **distributive**
10. **commutative**
11. **distributive**
12. **commutative**
13. **distributive**
14. **commutative**
15. **associative**
16. **associative**
17. **identity**
18. **distributive**
19. **associative**
20. **associative**

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