Identity Properties of Multiplication

Name:

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

1) $0 \times 4 = 4 \times 0$

2) $9 \times 7 = 7 \times 9$

3) $6 \times 3 = 3 \times 6$

4) $10 \times 1 = 10$

5) $7 \times (0 \times 4) = (7 \times 0) \times 4$

6) $(4 \times 0) \times 7 = 4 \times (0 \times 7)$

7) $1 \times 3 = 3 \times 1$

8) $3 \times 9 = 9 \times 3$

9) $10 \times (5 \times 1) = (10 \times 5) \times 1$

10) $1 \times 8 = 8$

11) $1 \times 2 = 2$

12) $5 \times 1 = 5$

13) $7 \times (1 \times 0) = (7 \times 1) \times 0$

14) $(2 \times 4) + (2 \times 5) = 2 \times (4 + 5)$

15) $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

16) $(1 \times 3) + (1 \times 6) = 1 \times (3 + 6)$

17) $(6 \times 1) + (6 \times 5) = 6 \times (1 + 5)$

18) $1 \times 9 = 9$

19) $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

20) $(5 \times 7) + (5 \times 0) = 5 \times (7 + 0)$

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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Name: **Answer Key**

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20) $(5 \times 7) + (5 \times 0) = 5 \times (7 + 0)$

Answers

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

1-10	95	90	85	80	75	70	65	60	55	50
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