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

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

1. _____

2) $(9 \times 1) + (9 \times 6) = 9 \times (1 + 6)$

2. _____

3) $9 \times (10 \times 3) = (9 \times 10) \times 3$

3. _____

4) $8 \times (7 + 5) = (8 \times 7) + (8 \times 5)$

4. _____

5) $4 \times 2 = 2 \times 4$

5. _____

6) $1 \times 7 = 7$

6. _____

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

7. _____

8) $1 \times 0 = 0$

8. _____

9) $4 \times 1 = 4$

9. _____

10) $(8 \times 1) + (8 \times 10) = 8 \times (1 + 10)$

10. _____

11) $(2 \times 1) + (2 \times 6) = 2 \times (1 + 6)$

11. _____

12) $10 \times 2 = 2 \times 10$

12. _____

13) $2 \times (7 \times 0) = (2 \times 7) \times 0$

13. _____

14) $1 \times 6 = 6$

14. _____

15) $(3 \times 2) \times 6 = 3 \times (2 \times 6)$

15. _____

16) $10 \times 9 = 9 \times 10$

16. _____

17) $6 \times 2 = 2 \times 6$

17. _____

18) $1 \times 1 = 1$

18. _____

19) $(8 \times 9) \times 1 = 8 \times (9 \times 1)$

19. _____

20) $(5 \times 4) + (5 \times 10) = 5 \times (4 + 10)$

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

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2) $(9 \times 1) + (9 \times 6) = 9 \times (1 + 6)$

3) $9 \times (10 \times 3) = (9 \times 10) \times 3$

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14) $1 \times 6 = 6$

15) $(3 \times 2) \times 6 = 3 \times (2 \times 6)$

16) $10 \times 9 = 9 \times 10$

17) $6 \times 2 = 2 \times 6$

18) $1 \times 1 = 1$

19) $(8 \times 9) \times 1 = 8 \times (9 \times 1)$

20) $(5 \times 4) + (5 \times 10) = 5 \times (4 + 10)$

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

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