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

1) $10 \times (8 + 6) = (10 \times 8) + (10 \times 6)$

1. _____

2) $(9 \times 8) \times 5 = 9 \times (8 \times 5)$

2. _____

3) $5 \times (10 \times 1) = (5 \times 10) \times 1$

3. _____

4) $0 \times 10 = 10 \times 0$

4. _____

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

5. _____

6) $2 \times 9 = 9 \times 2$

6. _____

7) $0 \times (2 \times 3) = (0 \times 2) \times 3$

7. _____

8) $1 \times 9 = 9$

8. _____

9) $1 \times 2 = 2$

9. _____

10) $1 \times 4 = 4$

10. _____

11) $(0 \times 6) + (0 \times 2) = 0 \times (6 + 2)$

11. _____

12) $5 \times (10 + 7) = (5 \times 10) + (5 \times 7)$

12. _____

13) $7 \times 1 = 7$

13. _____

14) $10 \times (5 + 6) = (10 \times 5) + (10 \times 6)$

14. _____

15) $1 \times (3 + 7) = (1 \times 3) + (1 \times 7)$

15. _____

16) $0 \times 4 = 4 \times 0$

16. _____

17) $1 \times 6 = 6$

17. _____

18) $6 \times 0 = 0 \times 6$

18. _____

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

19. _____

20) $6 \times (2 \times 9) = (6 \times 2) \times 9$

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

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

Answers

1) $10 \times (8 + 6) = (10 \times 8) + (10 \times 6)$

1. **distributive**

2) $(9 \times 8) \times 5 = 9 \times (8 \times 5)$

2. **associative**

3) $5 \times (10 \times 1) = (5 \times 10) \times 1$

3. **associative**

4) $0 \times 10 = 10 \times 0$

4. **commutative**

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

5. **commutative**

6) $2 \times 9 = 9 \times 2$

6. **commutative**

7) $0 \times (2 \times 3) = (0 \times 2) \times 3$

7. **associative**

8) $1 \times 9 = 9$

8. **identity**

9) $1 \times 2 = 2$

9. **identity**

10) $1 \times 4 = 4$

10. **identity**

11) $(0 \times 6) + (0 \times 2) = 0 \times (6 + 2)$

11. **distributive**

12) $5 \times (10 + 7) = (5 \times 10) + (5 \times 7)$

12. **distributive**

13) $7 \times 1 = 7$

13. **identity**

14) $10 \times (5 + 6) = (10 \times 5) + (10 \times 6)$

14. **distributive**

15) $1 \times (3 + 7) = (1 \times 3) + (1 \times 7)$

15. **distributive**

16) $0 \times 4 = 4 \times 0$

16. **commutative**

17) $1 \times 6 = 6$

17. **identity**

18) $6 \times 0 = 0 \times 6$

18. **commutative**

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

19. **associative**

20) $6 \times (2 \times 9) = (6 \times 2) \times 9$

20. **associative**

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