

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

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

2) $1 \times (10 \times 5) = (1 \times 10) \times 5$

3) $2 \times (8 + 9) = (2 \times 8) + (2 \times 9)$

4) $(4 \times 10) \times 2 = 4 \times (10 \times 2)$

5) $2 \times (4 \times 0) = (2 \times 4) \times 0$

6) $(10 \times 7) + (10 \times 0) = 10 \times (7 + 0)$

7) $2 \times 1 = 1 \times 2$

8) $1 \times 6 = 6$

9) $4 \times 10 = 10 \times 4$

10) $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

11) $3 \times 10 = 10 \times 3$

12) $4 \times 1 = 4$

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

14) $1 \times 2 = 2$

15) $1 \times 8 = 8$

16) $4 \times 8 = 8 \times 4$

17) $1 \times (8 \times 5) = (1 \times 8) \times 5$

18) $(6 \times 3) + (6 \times 5) = 6 \times (3 + 5)$

19) $1 \times 4 = 4$

20) $10 \times (2 + 3) = (10 \times 2) + (10 \times 3)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

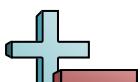
16. _____

17. _____

18. _____

19. _____

20. _____



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

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

2) $1 \times (10 \times 5) = (1 \times 10) \times 5$

3) $2 \times (8 + 9) = (2 \times 8) + (2 \times 9)$

4) $(4 \times 10) \times 2 = 4 \times (10 \times 2)$

5) $2 \times (4 \times 0) = (2 \times 4) \times 0$

6) $(10 \times 7) + (10 \times 0) = 10 \times (7 + 0)$

7) $2 \times 1 = 1 \times 2$

8) $1 \times 6 = 6$

9) $4 \times 10 = 10 \times 4$

10) $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

11) $3 \times 10 = 10 \times 3$

12) $4 \times 1 = 4$

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

14) $1 \times 2 = 2$

15) $1 \times 8 = 8$

16) $4 \times 8 = 8 \times 4$

17) $1 \times (8 \times 5) = (1 \times 8) \times 5$

18) $(6 \times 3) + (6 \times 5) = 6 \times (3 + 5)$

19) $1 \times 4 = 4$

20) $10 \times (2 + 3) = (10 \times 2) + (10 \times 3)$

Answers

1. **commutative**

2. **associative**

3. **distributive**

4. **associative**

5. **associative**

6. **distributive**

7. **commutative**

8. **identity**

9. **commutative**

10. **distributive**

11. **commutative**

12. **identity**

13. **associative**

14. **identity**

15. **identity**

16. **commutative**

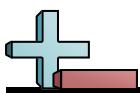
17. **associative**

18. **distributive**

19. **identity**

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



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

1) $(5 \times 4) + (5 \times 10) = 5 \times (4 + 10)$

2) $1 \times (6 + 10) = (1 \times 6) + (1 \times 10)$

3) $10 \times 0 = 0 \times 10$

4) $9 \times (10 \times 5) = (9 \times 10) \times 5$

5) $1 \times 7 = 7$

6) $(8 \times 3) \times 7 = 8 \times (3 \times 7)$

7) $1 \times 1 = 1$

8) $1 \times 6 = 6$

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

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

11) $3 \times (10 \times 2) = (3 \times 10) \times 2$

12) $10 \times (5 + 6) = (10 \times 5) + (10 \times 6)$

13) $9 \times 1 = 9$

14) $9 \times 3 = 3 \times 9$

15) $6 \times (2 + 1) = (6 \times 2) + (6 \times 1)$

16) $8 \times 3 = 3 \times 8$

17) $5 \times (3 + 10) = (5 \times 3) + (5 \times 10)$

18) $(1 \times 4) \times 2 = 1 \times (4 \times 2)$

19) $1 \times 6 = 6 \times 1$

20) $1 \times 4 = 4$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

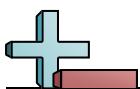
17. _____

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



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

1) $(5 \times 4) + (5 \times 10) = 5 \times (4 + 10)$

2) $1 \times (6 + 10) = (1 \times 6) + (1 \times 10)$

3) $10 \times 0 = 0 \times 10$

4) $9 \times (10 \times 5) = (9 \times 10) \times 5$

5) $1 \times 7 = 7$

6) $(8 \times 3) \times 7 = 8 \times (3 \times 7)$

7) $1 \times 1 = 1$

8) $1 \times 6 = 6$

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

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

11) $3 \times (10 \times 2) = (3 \times 10) \times 2$

12) $10 \times (5 + 6) = (10 \times 5) + (10 \times 6)$

13) $9 \times 1 = 9$

14) $9 \times 3 = 3 \times 9$

15) $6 \times (2 + 1) = (6 \times 2) + (6 \times 1)$

16) $8 \times 3 = 3 \times 8$

17) $5 \times (3 + 10) = (5 \times 3) + (5 \times 10)$

18) $(1 \times 4) \times 2 = 1 \times (4 \times 2)$

19) $1 \times 6 = 6 \times 1$

20) $1 \times 4 = 4$

Answers

1. **distributive**

2. **distributive**

3. **commutative**

4. **associative**

5. **identity**

6. **associative**

7. **identity**

8. **identity**

9. **commutative**

10. **associative**

11. **associative**

12. **distributive**

13. **identity**

14. **commutative**

15. **distributive**

16. **commutative**

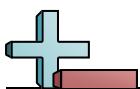
17. **distributive**

18. **associative**

19. **commutative**

20. **identity**

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 multiplication is shown (Associative, Identity, Distributive or Commutative).

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

2) $(4 \times 6) + (4 \times 1) = 4 \times (6 + 1)$

3) $1 \times 2 = 2$

4) $(10 \times 0) \times 6 = 10 \times (0 \times 6)$

5) $(3 \times 5) + (3 \times 9) = 3 \times (5 + 9)$

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

7) $4 \times 1 = 4$

8) $(7 \times 1) + (7 \times 9) = 7 \times (1 + 9)$

9) $5 \times 1 = 5$

10) $1 \times 10 = 10$

11) $2 \times 4 = 4 \times 2$

12) $(5 \times 4) \times 9 = 5 \times (4 \times 9)$

13) $7 \times 9 = 9 \times 7$

14) $1 \times 0 = 0$

15) $8 \times 1 = 1 \times 8$

16) $2 \times (8 \times 3) = (2 \times 8) \times 3$

17) $6 \times (3 \times 7) = (6 \times 3) \times 7$

18) $10 \times 9 = 9 \times 10$

19) $(0 \times 2) + (0 \times 4) = 0 \times (2 + 4)$

20) $(8 \times 5) + (8 \times 10) = 8 \times (5 + 10)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

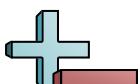
17. _____

18. _____

19. _____

20. _____

1-10	95	90	85	80	75	70	65	60	55	50
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1) $0 \times 1 = 1 \times 0$

2) $(4 \times 6) + (4 \times 1) = 4 \times (6 + 1)$

3) $1 \times 2 = 2$

4) $(10 \times 0) \times 6 = 10 \times (0 \times 6)$

5) $(3 \times 5) + (3 \times 9) = 3 \times (5 + 9)$

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

7) $4 \times 1 = 4$

8) $(7 \times 1) + (7 \times 9) = 7 \times (1 + 9)$

9) $5 \times 1 = 5$

10) $1 \times 10 = 10$

11) $2 \times 4 = 4 \times 2$

12) $(5 \times 4) \times 9 = 5 \times (4 \times 9)$

13) $7 \times 9 = 9 \times 7$

14) $1 \times 0 = 0$

15) $8 \times 1 = 1 \times 8$

16) $2 \times (8 \times 3) = (2 \times 8) \times 3$

17) $6 \times (3 \times 7) = (6 \times 3) \times 7$

18) $10 \times 9 = 9 \times 10$

19) $(0 \times 2) + (0 \times 4) = 0 \times (2 + 4)$

20) $(8 \times 5) + (8 \times 10) = 8 \times (5 + 10)$

Answers

1. **commutative**

2. **distributive**

3. **identity**

4. **associative**

5. **distributive**

6. **associative**

7. **identity**

8. **distributive**

9. **identity**

10. **identity**

11. **commutative**

12. **associative**

13. **commutative**

14. **identity**

15. **commutative**

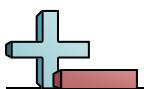
16. **associative**

17. **associative**

18. **commutative**

19. **distributive**

20. **distributive**



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

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

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

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

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

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

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

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

8) $1 \times 9 = 9$

9) $1 \times 2 = 2$

10) $1 \times 4 = 4$

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

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

13) $7 \times 1 = 7$

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

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

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

17) $1 \times 6 = 6$

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

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

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

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

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

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

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

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

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

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

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

8) $1 \times 9 = 9$

9) $1 \times 2 = 2$

10) $1 \times 4 = 4$

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

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

13) $7 \times 1 = 7$

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

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

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

17) $1 \times 6 = 6$

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

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

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

Answers

1. **distributive**

2. **associative**

3. **associative**

4. **commutative**

5. **commutative**

6. **commutative**

7. **associative**

8. **identity**

9. **identity**

10. **identity**

11. **distributive**

12. **distributive**

13. **identity**

14. **distributive**

15. **distributive**

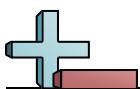
16. **commutative**

17. **identity**

18. **commutative**

19. **associative**

20. **associative**



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

1) $2 \times 7 = 7 \times 2$

2) $10 \times (9 + 3) = (10 \times 9) + (10 \times 3)$

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

4) $8 \times (2 + 4) = (8 \times 2) + (8 \times 4)$

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

6) $3 \times (10 \times 2) = (3 \times 10) \times 2$

7) $10 \times 4 = 4 \times 10$

8) $3 \times (6 \times 7) = (3 \times 6) \times 7$

9) $1 \times 2 = 2$

10) $1 \times 8 = 8$

11) $(1 \times 0) \times 6 = 1 \times (0 \times 6)$

12) $(9 \times 7) + (9 \times 2) = 9 \times (7 + 2)$

13) $2 \times 1 = 2$

14) $1 \times 5 = 5$

15) $(2 \times 6) \times 8 = 2 \times (6 \times 8)$

16) $5 \times 2 = 2 \times 5$

17) $1 \times 8 = 8 \times 1$

18) $1 \times 3 = 3$

19) $(5 \times 8) + (5 \times 4) = 5 \times (8 + 4)$

20) $3 \times (1 + 7) = (3 \times 1) + (3 \times 7)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

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16. _____

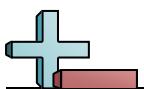
17. _____

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



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

1) $2 \times 7 = 7 \times 2$

2) $10 \times (9 + 3) = (10 \times 9) + (10 \times 3)$

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

4) $8 \times (2 + 4) = (8 \times 2) + (8 \times 4)$

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

6) $3 \times (10 \times 2) = (3 \times 10) \times 2$

7) $10 \times 4 = 4 \times 10$

8) $3 \times (6 \times 7) = (3 \times 6) \times 7$

9) $1 \times 2 = 2$

10) $1 \times 8 = 8$

11) $(1 \times 0) \times 6 = 1 \times (0 \times 6)$

12) $(9 \times 7) + (9 \times 2) = 9 \times (7 + 2)$

13) $2 \times 1 = 2$

14) $1 \times 5 = 5$

15) $(2 \times 6) \times 8 = 2 \times (6 \times 8)$

16) $5 \times 2 = 2 \times 5$

17) $1 \times 8 = 8 \times 1$

18) $1 \times 3 = 3$

19) $(5 \times 8) + (5 \times 4) = 5 \times (8 + 4)$

20) $3 \times (1 + 7) = (3 \times 1) + (3 \times 7)$

Answers

1. **commutative**

2. **distributive**

3. **associative**

4. **distributive**

5. **commutative**

6. **associative**

7. **commutative**

8. **associative**

9. **identity**

10. **identity**

11. **associative**

12. **distributive**

13. **identity**

14. **identity**

15. **associative**

16. **commutative**

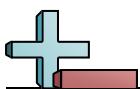
17. **commutative**

18. **identity**

19. **distributive**

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



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

1) $6 \times (5 \times 0) = (6 \times 5) \times 0$

2) $1 \times 2 = 2 \times 1$

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

4) $6 \times (1 + 0) = (6 \times 1) + (6 \times 0)$

5) $1 \times 1 = 1$

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

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

8) $5 \times (0 \times 1) = (5 \times 0) \times 1$

9) $6 \times 1 = 6$

10) $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

11) $(2 \times 7) + (2 \times 10) = 2 \times (7 + 10)$

12) $(0 \times 8) \times 5 = 0 \times (8 \times 5)$

13) $1 \times 6 = 6$

14) $1 \times 3 = 3$

15) $4 \times 6 = 6 \times 4$

16) $9 \times (3 \times 6) = (9 \times 3) \times 6$

17) $10 \times 1 = 10$

18) $4 \times 5 = 5 \times 4$

19) $(7 \times 6) \times 2 = 7 \times (6 \times 2)$

20) $3 \times (5 + 6) = (3 \times 5) + (3 \times 6)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

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13. _____

14. _____

15. _____

16. _____

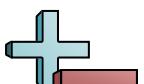
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18. _____

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



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

1) $6 \times (5 \times 0) = (6 \times 5) \times 0$

2) $1 \times 2 = 2 \times 1$

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

4) $6 \times (1 + 0) = (6 \times 1) + (6 \times 0)$

5) $1 \times 1 = 1$

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

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

8) $5 \times (0 \times 1) = (5 \times 0) \times 1$

9) $6 \times 1 = 6$

10) $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

11) $(2 \times 7) + (2 \times 10) = 2 \times (7 + 10)$

12) $(0 \times 8) \times 5 = 0 \times (8 \times 5)$

13) $1 \times 6 = 6$

14) $1 \times 3 = 3$

15) $4 \times 6 = 6 \times 4$

16) $9 \times (3 \times 6) = (9 \times 3) \times 6$

17) $10 \times 1 = 10$

18) $4 \times 5 = 5 \times 4$

19) $(7 \times 6) \times 2 = 7 \times (6 \times 2)$

20) $3 \times (5 + 6) = (3 \times 5) + (3 \times 6)$

Answers

1. **associative**

2. **commutative**

3. **distributive**

4. **distributive**

5. **identity**

6. **commutative**

7. **commutative**

8. **associative**

9. **identity**

10. **distributive**

11. **distributive**

12. **associative**

13. **identity**

14. **identity**

15. **commutative**

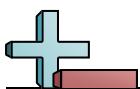
16. **associative**

17. **identity**

18. **commutative**

19. **associative**

20. **distributive**



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

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

2) $2 \times 1 = 2$

3) $3 \times 10 = 10 \times 3$

4) $(4 \times 1) + (4 \times 2) = 4 \times (1 + 2)$

5) $1 \times 7 = 7$

6) $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$

7) $2 \times 4 = 4 \times 2$

8) $3 \times 2 = 2 \times 3$

9) $1 \times 5 = 5$

10) $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

11) $(1 \times 5) \times 3 = 1 \times (5 \times 3)$

12) $10 \times 0 = 0 \times 10$

13) $0 \times 1 = 0$

14) $(2 \times 0) \times 6 = 2 \times (0 \times 6)$

15) $1 \times 6 = 6$

16) $(7 \times 1) + (7 \times 0) = 7 \times (1 + 0)$

17) $9 \times (1 + 5) = (9 \times 1) + (9 \times 5)$

18) $(7 \times 4) \times 3 = 7 \times (4 \times 3)$

19) $8 \times 4 = 4 \times 8$

20) $(4 \times 2) \times 3 = 4 \times (2 \times 3)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

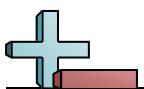
17. _____

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



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

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

2) $2 \times 1 = 2$

3) $3 \times 10 = 10 \times 3$

4) $(4 \times 1) + (4 \times 2) = 4 \times (1 + 2)$

5) $1 \times 7 = 7$

6) $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$

7) $2 \times 4 = 4 \times 2$

8) $3 \times 2 = 2 \times 3$

9) $1 \times 5 = 5$

10) $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

11) $(1 \times 5) \times 3 = 1 \times (5 \times 3)$

12) $10 \times 0 = 0 \times 10$

13) $0 \times 1 = 0$

14) $(2 \times 0) \times 6 = 2 \times (0 \times 6)$

15) $1 \times 6 = 6$

16) $(7 \times 1) + (7 \times 0) = 7 \times (1 + 0)$

17) $9 \times (1 + 5) = (9 \times 1) + (9 \times 5)$

18) $(7 \times 4) \times 3 = 7 \times (4 \times 3)$

19) $8 \times 4 = 4 \times 8$

20) $(4 \times 2) \times 3 = 4 \times (2 \times 3)$

Answers

1. **associative**

2. **identity**

3. **commutative**

4. **distributive**

5. **identity**

6. **distributive**

7. **commutative**

8. **commutative**

9. **identity**

10. **distributive**

11. **associative**

12. **commutative**

13. **identity**

14. **associative**

15. **identity**

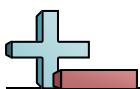
16. **distributive**

17. **distributive**

18. **associative**

19. **commutative**

20. **associative**



Identity Properties of Multiplication

Name: _____

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

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

Answers

1. _____

2) $8 \times (5 \times 4) = (8 \times 5) \times 4$

2. _____

3) $8 \times 1 = 8$

3. _____

4) $(6 \times 8) \times 4 = 6 \times (8 \times 4)$

4. _____

5) $2 \times 1 = 2$

5. _____

6) $(3 \times 8) + (3 \times 10) = 3 \times (8 + 10)$

6. _____

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

7. _____

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

8. _____

9) $(1 \times 5) \times 6 = 1 \times (5 \times 6)$

9. _____

10) $(5 \times 6) \times 8 = 5 \times (6 \times 8)$

10. _____

11) $9 \times 0 = 0 \times 9$

11. _____

12) $1 \times 7 = 7$

12. _____

13) $9 \times 1 = 9$

13. _____

14) $5 \times (4 \times 6) = (5 \times 4) \times 6$

14. _____

15) $10 \times 6 = 6 \times 10$

15. _____

16) $1 \times 10 = 10$

16. _____

17) $1 \times 4 = 4 \times 1$

17. _____

18) $0 \times 3 = 3 \times 0$

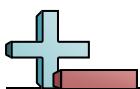
18. _____

19) $(0 \times 2) + (0 \times 10) = 0 \times (2 + 10)$

19. _____

20) $10 \times (0 + 2) = (10 \times 0) + (10 \times 2)$

20. _____



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

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

2) $8 \times (5 \times 4) = (8 \times 5) \times 4$

3) $8 \times 1 = 8$

4) $(6 \times 8) \times 4 = 6 \times (8 \times 4)$

5) $2 \times 1 = 2$

6) $(3 \times 8) + (3 \times 10) = 3 \times (8 + 10)$

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

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

9) $(1 \times 5) \times 6 = 1 \times (5 \times 6)$

10) $(5 \times 6) \times 8 = 5 \times (6 \times 8)$

11) $9 \times 0 = 0 \times 9$

12) $1 \times 7 = 7$

13) $9 \times 1 = 9$

14) $5 \times (4 \times 6) = (5 \times 4) \times 6$

15) $10 \times 6 = 6 \times 10$

16) $1 \times 10 = 10$

17) $1 \times 4 = 4 \times 1$

18) $0 \times 3 = 3 \times 0$

19) $(0 \times 2) + (0 \times 10) = 0 \times (2 + 10)$

20) $10 \times (0 + 2) = (10 \times 0) + (10 \times 2)$

Answers

1. **commutative**

2. **associative**

3. **identity**

4. **associative**

5. **identity**

6. **distributive**

7. **distributive**

8. **distributive**

9. **associative**

10. **associative**

11. **commutative**

12. **identity**

13. **identity**

14. **associative**

15. **commutative**

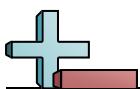
16. **identity**

17. **commutative**

18. **commutative**

19. **distributive**

20. **distributive**



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

1) $1 \times 6 = 6$

Answers

1. _____

2) $1 \times 8 = 8$

2. _____

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

3. _____

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

4. _____

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

5. _____

6) $10 \times 0 = 0 \times 10$

6. _____

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

7. _____

8) $(5 \times 10) + (5 \times 1) = 5 \times (10 + 1)$

8. _____

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

9. _____

10) $0 \times (1 \times 9) = (0 \times 1) \times 9$

10. _____

11) $4 \times 1 = 4$

11. _____

12) $(5 \times 1) \times 0 = 5 \times (1 \times 0)$

12. _____

13) $0 \times 1 = 0$

13. _____

14) $(10 \times 2) + (10 \times 0) = 10 \times (2 + 0)$

14. _____

15) $0 \times 1 = 1 \times 0$

15. _____

16) $(4 \times 9) + (4 \times 0) = 4 \times (9 + 0)$

16. _____

17) $0 \times (5 + 1) = (0 \times 5) + (0 \times 1)$

17. _____

18) $1 \times 4 = 4$

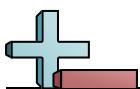
18. _____

19) $9 \times (6 \times 1) = (9 \times 6) \times 1$

19. _____

20) $3 \times (8 \times 5) = (3 \times 8) \times 5$

20. _____



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

1) $1 \times 6 = 6$

2) $1 \times 8 = 8$

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

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

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

6) $10 \times 0 = 0 \times 10$

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

8) $(5 \times 10) + (5 \times 1) = 5 \times (10 + 1)$

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

10) $0 \times (1 \times 9) = (0 \times 1) \times 9$

11) $4 \times 1 = 4$

12) $(5 \times 1) \times 0 = 5 \times (1 \times 0)$

13) $0 \times 1 = 0$

14) $(10 \times 2) + (10 \times 0) = 10 \times (2 + 0)$

15) $0 \times 1 = 1 \times 0$

16) $(4 \times 9) + (4 \times 0) = 4 \times (9 + 0)$

17) $0 \times (5 + 1) = (0 \times 5) + (0 \times 1)$

18) $1 \times 4 = 4$

19) $9 \times (6 \times 1) = (9 \times 6) \times 1$

20) $3 \times (8 \times 5) = (3 \times 8) \times 5$

Answers

1. **identity**

2. **identity**

3. **commutative**

4. **commutative**

5. **associative**

6. **commutative**

7. **distributive**

8. **distributive**

9. **commutative**

10. **associative**

11. **identity**

12. **associative**

13. **identity**

14. **distributive**

15. **commutative**

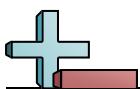
16. **distributive**

17. **distributive**

18. **identity**

19. **associative**

20. **associative**



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

1) $0 \times (1 + 10) = (0 \times 1) + (0 \times 10)$

2) $1 \times 7 = 7$

3) $9 \times (6 \times 5) = (9 \times 6) \times 5$

4) $2 \times (7 + 4) = (2 \times 7) + (2 \times 4)$

5) $(4 \times 8) \times 0 = 4 \times (8 \times 0)$

6) $1 \times 9 = 9$

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

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

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

10) $6 \times (3 + 0) = (6 \times 3) + (6 \times 0)$

11) $10 \times 1 = 10$

12) $5 \times 0 = 0 \times 5$

13) $5 \times (6 \times 4) = (5 \times 6) \times 4$

14) $1 \times (8 + 0) = (1 \times 8) + (1 \times 0)$

15) $(8 \times 5) \times 4 = 8 \times (5 \times 4)$

16) $3 \times 1 = 3$

17) $(1 \times 5) + (1 \times 8) = 1 \times (5 + 8)$

18) $5 \times 7 = 7 \times 5$

19) $(9 \times 5) \times 4 = 9 \times (5 \times 4)$

20) $0 \times 1 = 0$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

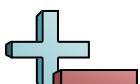
17. _____

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



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

1) $0 \times (1 + 10) = (0 \times 1) + (0 \times 10)$

2) $1 \times 7 = 7$

3) $9 \times (6 \times 5) = (9 \times 6) \times 5$

4) $2 \times (7 + 4) = (2 \times 7) + (2 \times 4)$

5) $(4 \times 8) \times 0 = 4 \times (8 \times 0)$

6) $1 \times 9 = 9$

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

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

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

10) $6 \times (3 + 0) = (6 \times 3) + (6 \times 0)$

11) $10 \times 1 = 10$

12) $5 \times 0 = 0 \times 5$

13) $5 \times (6 \times 4) = (5 \times 6) \times 4$

14) $1 \times (8 + 0) = (1 \times 8) + (1 \times 0)$

15) $(8 \times 5) \times 4 = 8 \times (5 \times 4)$

16) $3 \times 1 = 3$

17) $(1 \times 5) + (1 \times 8) = 1 \times (5 + 8)$

18) $5 \times 7 = 7 \times 5$

19) $(9 \times 5) \times 4 = 9 \times (5 \times 4)$

20) $0 \times 1 = 0$

Answers

1. **distributive**

2. **identity**

3. **associative**

4. **distributive**

5. **associative**

6. **identity**

7. **commutative**

8. **commutative**

9. **commutative**

10. **distributive**

11. **identity**

12. **commutative**

13. **associative**

14. **distributive**

15. **associative**

16. **identity**

17. **distributive**

18. **commutative**

19. **associative**

20. **identity**

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