Identity Properties of Multiplication

Name:

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

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

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

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

4) $5 \times 1 = 5$

5) $1 \times 3 = 3$

6) $7 \times (3 \times 9) = (7 \times 3) \times 9$

7) $6 \times (5 \times 4) = (6 \times 5) \times 4$

8) $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

9) $(10 \times 6) + (10 \times 1) = 10 \times (6 + 1)$

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

11) $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

13) $8 \times (5 \times 10) = (8 \times 5) \times 10$

14) $4 \times (0 \times 10) = (4 \times 0) \times 10$

15) $1 \times 9 = 9$

16) $1 \times (2 + 9) = (1 \times 2) + (1 \times 9)$

17) $0 \times 4 = 4 \times 0$

18) $7 \times (10 + 5) = (7 \times 10) + (7 \times 5)$

19) $1 \times 3 = 3$

20) $9 \times 1 = 9$

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
11-20	45	40	35	30	25	20	15	10	5	0

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

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

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

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

4) $5 \times 1 = 5$

5) $1 \times 3 = 3$

6) $7 \times (3 \times 9) = (7 \times 3) \times 9$

7) $6 \times (5 \times 4) = (6 \times 5) \times 4$

8) $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

9) $(10 \times 6) + (10 \times 1) = 10 \times (6 + 1)$

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

11) $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

13) $8 \times (5 \times 10) = (8 \times 5) \times 10$

14) $4 \times (0 \times 10) = (4 \times 0) \times 10$

15) $1 \times 9 = 9$

16) $1 \times (2 + 9) = (1 \times 2) + (1 \times 9)$

17) $0 \times 4 = 4 \times 0$

18) $7 \times (10 + 5) = (7 \times 10) + (7 \times 5)$

19) $1 \times 3 = 3$

20) $9 \times 1 = 9$

Answers

1. commutative
2. commutative
3. commutative
4. identity
5. identity
6. associative
7. associative
8. distributive
9. distributive
10. commutative
11. distributive
12. associative
13. associative
14. associative
15. identity
16. distributive
17. commutative
18. distributive
19. identity
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 multipication is shown (Associative, Identity, Distributive or Commutative).

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

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

3) $5 \times (8 \times 4) = (5 \times 8) \times 4$

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

5) $1 \times 10 = 10$

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

7) $9 \times 1 = 9$

8) $(7 \times 6) + (7 \times 5) = 7 \times (6 + 5)$

9) $10 \times (7 \times 5) = (10 \times 7) \times 5$

10) $3 \times (2 \times 5) = (3 \times 2) \times 5$

11) $4 \times 1 = 4$

12) $(10 \times 4) \times 1 = 10 \times (4 \times 1)$

13) $1 \times 2 = 2$

14) $(2 \times 7) + (2 \times 9) = 2 \times (7 + 9)$

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

16) $(0 \times 3) \times 1 = 0 \times (3 \times 1)$

17) $7 \times 1 = 7$

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

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

20) $6 \times (8 + 3) = (6 \times 8) + (6 \times 3)$

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

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

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

3) $5 \times (8 \times 4) = (5 \times 8) \times 4$

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

5) $1 \times 10 = 10$

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

7) $9 \times 1 = 9$

8) $(7 \times 6) + (7 \times 5) = 7 \times (6 + 5)$

9) $10 \times (7 \times 5) = (10 \times 7) \times 5$

10) $3 \times (2 \times 5) = (3 \times 2) \times 5$

11) $4 \times 1 = 4$

12) $(10 \times 4) \times 1 = 10 \times (4 \times 1)$

13) $1 \times 2 = 2$

14) $(2 \times 7) + (2 \times 9) = 2 \times (7 + 9)$

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

16) $(0 \times 3) \times 1 = 0 \times (3 \times 1)$

17) $7 \times 1 = 7$

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

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

20) $6 \times (8 + 3) = (6 \times 8) + (6 \times 3)$

Answers

1. commutative
2. commutative
3. associative
4. distributive
5. identity
6. commutative
7. identity
8. distributive
9. associative
10. associative
11. identity
12. associative
13. identity
14. distributive
15. commutative
16. associative
17. identity
18. distributive
19. commutative
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 multipication is shown (Associative, Identity, Distributive or Commutative).

1) $6 \times 1 = 6$

2) $3 \times (10 + 7) = (3 \times 10) + (3 \times 7)$

3) $8 \times (9 + 7) = (8 \times 9) + (8 \times 7)$

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

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

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

7) $1 \times 1 = 1$

8) $3 \times (10 \times 2) = (3 \times 10) \times 2$

9) $7 \times 0 = 0 \times 7$

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

11) $1 \times 1 = 1$

12) $0 \times (4 \times 3) = (0 \times 4) \times 3$

13) $(5 \times 10) + (5 \times 9) = 5 \times (10 + 9)$

14) $(6 \times 10) \times 2 = 6 \times (10 \times 2)$

15) $(3 \times 0) + (3 \times 9) = 3 \times (0 + 9)$

16) $1 \times 9 = 9$

17) $6 \times 8 = 8 \times 6$

18) $1 \times 9 = 9$

19) $(5 \times 4) \times 3 = 5 \times (4 \times 3)$

20) $10 \times 2 = 2 \times 10$

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
11-20	45	40	35	30	25	20	15	10	5	0

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

1) $6 \times 1 = 6$

2) $3 \times (10 + 7) = (3 \times 10) + (3 \times 7)$

3) $8 \times (9 + 7) = (8 \times 9) + (8 \times 7)$

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

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

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

7) $1 \times 1 = 1$

8) $3 \times (10 \times 2) = (3 \times 10) \times 2$

9) $7 \times 0 = 0 \times 7$

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

11) $1 \times 1 = 1$

12) $0 \times (4 \times 3) = (0 \times 4) \times 3$

13) $(5 \times 10) + (5 \times 9) = 5 \times (10 + 9)$

14) $(6 \times 10) \times 2 = 6 \times (10 \times 2)$

15) $(3 \times 0) + (3 \times 9) = 3 \times (0 + 9)$

16) $1 \times 9 = 9$

17) $6 \times 8 = 8 \times 6$

18) $1 \times 9 = 9$

19) $(5 \times 4) \times 3 = 5 \times (4 \times 3)$

20) $10 \times 2 = 2 \times 10$

Answers

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

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).

1) $6 \times 2 = 2 \times 6$

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

3) $1 \times (2 \times 8) = (1 \times 2) \times 8$

4) $5 \times 3 = 3 \times 5$

5) $7 \times (2 \times 0) = (7 \times 2) \times 0$

6) $1 \times 1 = 1$

7) $1 \times (10 + 6) = (1 \times 10) + (1 \times 6)$

8) $8 \times 1 = 8$

9) $(4 \times 10) + (4 \times 6) = 4 \times (10 + 6)$

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

11) $0 \times 1 = 0$

12) $7 \times (2 \times 8) = (7 \times 2) \times 8$

13) $4 \times 1 = 4$

14) $4 \times 7 = 7 \times 4$

15) $5 \times (8 + 2) = (5 \times 8) + (5 \times 2)$

16) $8 \times (0 + 2) = (8 \times 0) + (8 \times 2)$

17) $7 \times (9 \times 3) = (7 \times 9) \times 3$

18) $7 \times 9 = 9 \times 7$

19) $1 \times 5 = 5$

20) $4 \times (6 \times 7) = (4 \times 6) \times 7$

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

1) $6 \times 2 = 2 \times 6$

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

3) $1 \times (2 \times 8) = (1 \times 2) \times 8$

4) $5 \times 3 = 3 \times 5$

5) $7 \times (2 \times 0) = (7 \times 2) \times 0$

6) $1 \times 1 = 1$

7) $1 \times (10 + 6) = (1 \times 10) + (1 \times 6)$

8) $8 \times 1 = 8$

9) $(4 \times 10) + (4 \times 6) = 4 \times (10 + 6)$

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

11) $0 \times 1 = 0$

12) $7 \times (2 \times 8) = (7 \times 2) \times 8$

13) $4 \times 1 = 4$

14) $4 \times 7 = 7 \times 4$

15) $5 \times (8 + 2) = (5 \times 8) + (5 \times 2)$

16) $8 \times (0 + 2) = (8 \times 0) + (8 \times 2)$

17) $7 \times (9 \times 3) = (7 \times 9) \times 3$

18) $7 \times 9 = 9 \times 7$

19) $1 \times 5 = 5$

20) $4 \times (6 \times 7) = (4 \times 6) \times 7$

Answers

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

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

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. 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
11-20	45	40	35	30	25	20	15	10	5	0

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

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

2) $2 \times 1 = 2$

3) $(0 \times 1) + (0 \times 8) = 0 \times (1 + 8)$

4) $(3 \times 9) + (3 \times 10) = 3 \times (9 + 10)$

5) $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

6) $1 \times 2 = 2$

7) $(0 \times 5) \times 1 = 0 \times (5 \times 1)$

8) $1 \times 0 = 0$

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

10) $7 \times 6 = 6 \times 7$

11) $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

12) $(8 \times 9) \times 4 = 8 \times (9 \times 4)$

13) $4 \times (3 \times 7) = (4 \times 3) \times 7$

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

15) $5 \times (1 \times 8) = (5 \times 1) \times 8$

16) $1 \times (10 + 2) = (1 \times 10) + (1 \times 2)$

17) $1 \times 6 = 6$

18) $1 \times 4 = 4$

19) $(4 \times 2) \times 3 = 4 \times (2 \times 3)$

20) $7 \times 2 = 2 \times 7$

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

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

2) $2 \times 1 = 2$

3) $(0 \times 1) + (0 \times 8) = 0 \times (1 + 8)$

4) $(3 \times 9) + (3 \times 10) = 3 \times (9 + 10)$

5) $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

6) $1 \times 2 = 2$

7) $(0 \times 5) \times 1 = 0 \times (5 \times 1)$

8) $1 \times 0 = 0$

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

10) $7 \times 6 = 6 \times 7$

11) $(8 \times 0) + (8 \times 7) = 8 \times (0 + 7)$

12) $(8 \times 9) \times 4 = 8 \times (9 \times 4)$

13) $4 \times (3 \times 7) = (4 \times 3) \times 7$

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

15) $5 \times (1 \times 8) = (5 \times 1) \times 8$

16) $1 \times (10 + 2) = (1 \times 10) + (1 \times 2)$

17) $1 \times 6 = 6$

18) $1 \times 4 = 4$

19) $(4 \times 2) \times 3 = 4 \times (2 \times 3)$

20) $7 \times 2 = 2 \times 7$

Answers

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

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).

1) $3 \times (5 + 8) = (3 \times 5) + (3 \times 8)$

2) $1 \times 6 = 6$

3) $(4 \times 9) + (4 \times 1) = 4 \times (9 + 1)$

4) $(3 \times 10) \times 8 = 3 \times (10 \times 8)$

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

6) $1 \times 1 = 1$

7) $7 \times 0 = 0 \times 7$

8) $1 \times 10 = 10$

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

10) $1 \times 6 = 6$

11) $4 \times 9 = 9 \times 4$

12) $(10 \times 1) \times 8 = 10 \times (1 \times 8)$

13) $3 \times 1 = 3$

14) $(8 \times 2) \times 9 = 8 \times (2 \times 9)$

15) $5 \times (6 \times 4) = (5 \times 6) \times 4$

16) $(2 \times 7) \times 3 = 2 \times (7 \times 3)$

17) $0 \times (9 + 4) = (0 \times 9) + (0 \times 4)$

18) $(9 \times 8) + (9 \times 7) = 9 \times (8 + 7)$

19) $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$

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

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

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

1) $3 \times (5 + 8) = (3 \times 5) + (3 \times 8)$

2) $1 \times 6 = 6$

3) $(4 \times 9) + (4 \times 1) = 4 \times (9 + 1)$

4) $(3 \times 10) \times 8 = 3 \times (10 \times 8)$

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

6) $1 \times 1 = 1$

7) $7 \times 0 = 0 \times 7$

8) $1 \times 10 = 10$

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

10) $1 \times 6 = 6$

11) $4 \times 9 = 9 \times 4$

12) $(10 \times 1) \times 8 = 10 \times (1 \times 8)$

13) $3 \times 1 = 3$

14) $(8 \times 2) \times 9 = 8 \times (2 \times 9)$

15) $5 \times (6 \times 4) = (5 \times 6) \times 4$

16) $(2 \times 7) \times 3 = 2 \times (7 \times 3)$

17) $0 \times (9 + 4) = (0 \times 9) + (0 \times 4)$

18) $(9 \times 8) + (9 \times 7) = 9 \times (8 + 7)$

19) $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$

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

Answers

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

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).

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

2) $0 \times (7 \times 1) = (0 \times 7) \times 1$

3) $1 \times 5 = 5$

4) $1 \times 0 = 0$

5) $1 \times 1 = 1$

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

7) $5 \times 3 = 3 \times 5$

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

9) $(3 \times 8) + (3 \times 5) = 3 \times (8 + 5)$

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

11) $7 \times (4 + 8) = (7 \times 4) + (7 \times 8)$

12) $4 \times 1 = 1 \times 4$

13) $6 \times (1 \times 4) = (6 \times 1) \times 4$

14) $6 \times (7 \times 0) = (6 \times 7) \times 0$

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

16) $(10 \times 1) + (10 \times 8) = 10 \times (1 + 8)$

17) $1 \times (9 + 0) = (1 \times 9) + (1 \times 0)$

18) $4 \times 9 = 9 \times 4$

19) $9 \times 1 = 9$

20) $1 \times 10 = 10$

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
11-20	45	40	35	30	25	20	15	10	5	0

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

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

2) $0 \times (7 \times 1) = (0 \times 7) \times 1$

3) $1 \times 5 = 5$

4) $1 \times 0 = 0$

5) $1 \times 1 = 1$

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

7) $5 \times 3 = 3 \times 5$

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

9) $(3 \times 8) + (3 \times 5) = 3 \times (8 + 5)$

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

11) $7 \times (4 + 8) = (7 \times 4) + (7 \times 8)$

12) $4 \times 1 = 1 \times 4$

13) $6 \times (1 \times 4) = (6 \times 1) \times 4$

14) $6 \times (7 \times 0) = (6 \times 7) \times 0$

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

16) $(10 \times 1) + (10 \times 8) = 10 \times (1 + 8)$

17) $1 \times (9 + 0) = (1 \times 9) + (1 \times 0)$

18) $4 \times 9 = 9 \times 4$

19) $9 \times 1 = 9$

20) $1 \times 10 = 10$

Answers

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

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

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) $1 \times 5 = 5$

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. 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

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).

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

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

3) $2 \times (6 + 8) = (2 \times 6) + (2 \times 8)$

4) $1 \times 7 = 7$

5) $1 \times 5 = 5$

6) $9 \times (1 \times 0) = (9 \times 1) \times 0$

7) $9 \times 1 = 9$

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

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

10) $5 \times (2 \times 9) = (5 \times 2) \times 9$

11) $1 \times 8 = 8$

12) $(10 \times 8) + (10 \times 4) = 10 \times (8 + 4)$

13) $7 \times (1 \times 8) = (7 \times 1) \times 8$

14) $9 \times (7 + 1) = (9 \times 7) + (9 \times 1)$

15) $1 \times 10 = 10$

16) $2 \times 9 = 9 \times 2$

17) $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$

18) $6 \times 2 = 2 \times 6$

19) $4 \times 2 = 2 \times 4$

20) $(0 \times 4) \times 7 = 0 \times (4 \times 7)$

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

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

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

3) $2 \times (6 + 8) = (2 \times 6) + (2 \times 8)$

4) $1 \times 7 = 7$

5) $1 \times 5 = 5$

6) $9 \times (1 \times 0) = (9 \times 1) \times 0$

7) $9 \times 1 = 9$

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

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

10) $5 \times (2 \times 9) = (5 \times 2) \times 9$

11) $1 \times 8 = 8$

12) $(10 \times 8) + (10 \times 4) = 10 \times (8 + 4)$

13) $7 \times (1 \times 8) = (7 \times 1) \times 8$

14) $9 \times (7 + 1) = (9 \times 7) + (9 \times 1)$

15) $1 \times 10 = 10$

16) $2 \times 9 = 9 \times 2$

17) $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$

18) $6 \times 2 = 2 \times 6$

19) $4 \times 2 = 2 \times 4$

20) $(0 \times 4) \times 7 = 0 \times (4 \times 7)$

Answers

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