



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

4)  $5 \times 1 = 5$

4. \_\_\_\_\_

5)  $1 \times 3 = 3$

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

15)  $1 \times 9 = 9$

15. \_\_\_\_\_

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

16. \_\_\_\_\_

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

17. \_\_\_\_\_

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

18. \_\_\_\_\_

19)  $1 \times 3 = 3$

19. \_\_\_\_\_

20)  $9 \times 1 = 9$

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

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

2. **commutative**

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

3. **commutative**

4)  $5 \times 1 = 5$

4. **identity**

5)  $1 \times 3 = 3$

5. **identity**

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

6. **associative**

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

7. **associative**

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

8. **distributive**

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

9. **distributive**

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

10. **commutative**

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

11. **distributive**

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

12. **associative**

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

13. **associative**

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

14. **associative**

15)  $1 \times 9 = 9$

15. **identity**

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

16. **distributive**

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

17. **commutative**

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

18. **distributive**

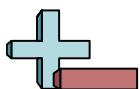
19)  $1 \times 3 = 3$

19. **identity**

20)  $9 \times 1 = 9$

20. **identity****Answers**

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



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

5)  $1 \times 10 = 10$

5. \_\_\_\_\_

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

6. \_\_\_\_\_

7)  $9 \times 1 = 9$

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

11)  $4 \times 1 = 4$

11. \_\_\_\_\_

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

12. \_\_\_\_\_

13)  $1 \times 2 = 2$

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

17)  $7 \times 1 = 7$

17. \_\_\_\_\_

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

18. \_\_\_\_\_

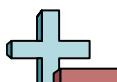
19)  $4 \times 9 = 9 \times 4$

19. \_\_\_\_\_

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

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

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

2. **commutative**

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

3. **associative**

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

4. **distributive**

5)  $1 \times 10 = 10$

5. **identity**

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

6. **commutative**

7)  $9 \times 1 = 9$

7. **identity**

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

8. **distributive**

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

9. **associative**

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

10. **associative**

11)  $4 \times 1 = 4$

11. **identity**

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

12. **associative**

13)  $1 \times 2 = 2$

13. **identity**

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

14. **distributive**

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

15. **commutative**

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

16. **associative**

17)  $7 \times 1 = 7$

17. **identity**

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

18. **distributive**

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

19. **commutative**

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

20. **distributive**



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

1)  $6 \times 1 = 6$

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

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

5. \_\_\_\_\_

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

6. \_\_\_\_\_

7)  $1 \times 1 = 1$

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

11)  $1 \times 1 = 1$

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

16)  $1 \times 9 = 9$

16. \_\_\_\_\_

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

17. \_\_\_\_\_

18)  $1 \times 9 = 9$

18. \_\_\_\_\_

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

19. \_\_\_\_\_

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

20. \_\_\_\_\_

Answers



## Identity Properties of Multiplication

Name: **Answer Key**

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

1)  $6 \times 1 = 6$

1. **identity**

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

2. **distributive**

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

3. **distributive**

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

4. **associative**

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

5. **commutative**

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

6. **distributive**

7)  $1 \times 1 = 1$

7. **identity**

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

8. **associative**

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

9. **commutative**

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

10. **commutative**

11)  $1 \times 1 = 1$

11. **identity**

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

12. **associative**

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

13. **distributive**

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

14. **associative**

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

15. **distributive**

16)  $1 \times 9 = 9$

16. **identity**

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

17. **commutative**

18)  $1 \times 9 = 9$

18. **identity**

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

19. **associative**

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

20. **commutative****Answers**



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

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

5. \_\_\_\_\_

6)  $1 \times 1 = 1$

6. \_\_\_\_\_

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

7. \_\_\_\_\_

8)  $8 \times 1 = 8$

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

11)  $0 \times 1 = 0$

11. \_\_\_\_\_

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

12. \_\_\_\_\_

13)  $4 \times 1 = 4$

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

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

17. \_\_\_\_\_

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

18. \_\_\_\_\_

19)  $1 \times 5 = 5$

19. \_\_\_\_\_

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

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

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

2. **commutative**

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

3. **associative**

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

4. **commutative**

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

5. **associative**

6)  $1 \times 1 = 1$

6. **identity**

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

7. **distributive**

8)  $8 \times 1 = 8$

8. **identity**

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

9. **distributive**

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

10. **distributive**

11)  $0 \times 1 = 0$

11. **identity**

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

12. **associative**

13)  $4 \times 1 = 4$

13. **identity**

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

14. **commutative**

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

15. **distributive**

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

16. **distributive**

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

17. **associative**

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

18. **commutative**

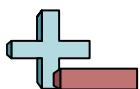
19)  $1 \times 5 = 5$

19. **identity**

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

20. **associative****Answers**

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



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

4)  $10 \times 1 = 10$

4. \_\_\_\_\_

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

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

10)  $1 \times 8 = 8$

10. \_\_\_\_\_

11)  $1 \times 2 = 2$

11. \_\_\_\_\_

12)  $5 \times 1 = 5$

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

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

17. \_\_\_\_\_

18)  $1 \times 9 = 9$

18. \_\_\_\_\_

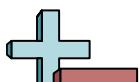
19)  $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

19. \_\_\_\_\_

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

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

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

2. **commutative**

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

3. **commutative**

4)  $10 \times 1 = 10$

4. **identity**

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

5. **associative**

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

6. **associative**

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

7. **commutative**

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

8. **commutative**

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

9. **associative**

10)  $1 \times 8 = 8$

10. **identity**

11)  $1 \times 2 = 2$

11. **identity**

12)  $5 \times 1 = 5$

12. **identity**

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

13. **associative**

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

14. **distributive**

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

15. **distributive**

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

16. **distributive**

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

17. **distributive**

18)  $1 \times 9 = 9$

18. **identity**

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

19. **associative**

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

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



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

2)  $2 \times 1 = 2$

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

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

5. \_\_\_\_\_

6)  $1 \times 2 = 2$

6. \_\_\_\_\_

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

7. \_\_\_\_\_

8)  $1 \times 0 = 0$

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

17)  $1 \times 6 = 6$

17. \_\_\_\_\_

18)  $1 \times 4 = 4$

18. \_\_\_\_\_

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

19. \_\_\_\_\_

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

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

Determine which property of multiplication 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)  $1 \times 6 = 6$

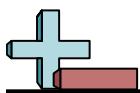
18)  $1 \times 4 = 4$

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



## Identity Properties of Multiplication

Name: \_\_\_\_\_

Determine which property of multiplication 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. \_\_\_\_\_

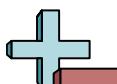
16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **distributive**

2)  $1 \times 6 = 6$

2. **identity**

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

3. **distributive**

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

4. **associative**

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

5. **commutative**

6)  $1 \times 1 = 1$

6. **identity**

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

7. **commutative**

8)  $1 \times 10 = 10$

8. **identity**

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

9. **commutative**

10)  $1 \times 6 = 6$

10. **identity**

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

11. **commutative**

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

12. **associative**

13)  $3 \times 1 = 3$

13. **identity**

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

14. **associative**

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

15. **associative**

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

16. **associative**

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

17. **distributive**

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

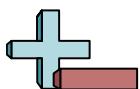
18. **distributive**

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

19. **distributive**

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

20. **commutative**



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

3)  $1 \times 5 = 5$

3. \_\_\_\_\_

4)  $1 \times 0 = 0$

4. \_\_\_\_\_

5)  $1 \times 1 = 1$

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

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

17. \_\_\_\_\_

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

18. \_\_\_\_\_

19)  $9 \times 1 = 9$

19. \_\_\_\_\_

20)  $1 \times 10 = 10$

20. \_\_\_\_\_

Answers



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **associative**

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

2. **associative**

3)  $1 \times 5 = 5$

3. **identity**

4)  $1 \times 0 = 0$

4. **identity**

5)  $1 \times 1 = 1$

5. **identity**

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

6. **commutative**

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

7. **commutative**

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

8. **associative**

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

9. **distributive**

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

10. **distributive**

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

11. **distributive**

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

12. **commutative**

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

13. **associative**

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

14. **associative**

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

15. **commutative**

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

16. **distributive**

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

17. **distributive**

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

18. **commutative**

19)  $9 \times 1 = 9$

19. **identity**

20)  $1 \times 10 = 10$

20. **identity**



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

2)  $1 \times 5 = 5$

2. \_\_\_\_\_

3)  $1 \times (2 \times 9) = (1 \times 2) \times 9$

3. \_\_\_\_\_

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

4. \_\_\_\_\_

5)  $1 \times 9 = 9$

5. \_\_\_\_\_

6)  $4 \times 1 = 4$

6. \_\_\_\_\_

7)  $(1 \times 4) + (1 \times 9) = 1 \times (4 + 9)$

7. \_\_\_\_\_

8)  $10 \times 1 = 10$

8. \_\_\_\_\_

9)  $(6 \times 10) + (6 \times 5) = 6 \times (10 + 5)$

9. \_\_\_\_\_

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

10. \_\_\_\_\_

11)  $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

11. \_\_\_\_\_

12)  $3 \times 1 = 1 \times 3$

12. \_\_\_\_\_

13)  $0 \times (9 + 6) = (0 \times 9) + (0 \times 6)$

13. \_\_\_\_\_

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

14. \_\_\_\_\_

15)  $1 \times (4 \times 3) = (1 \times 4) \times 3$

15. \_\_\_\_\_

16)  $1 \times (4 \times 7) = (1 \times 4) \times 7$

16. \_\_\_\_\_

17)  $1 \times 5 = 5$

17. \_\_\_\_\_

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

18. \_\_\_\_\_

19)  $3 \times (5 \times 8) = (3 \times 5) \times 8$

19. \_\_\_\_\_

20)  $2 \times (4 \times 0) = (2 \times 4) \times 0$

20. \_\_\_\_\_

**Answers**



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

2)  $1 \times 5 = 5$

2. **identity**

3)  $1 \times (2 \times 9) = (1 \times 2) \times 9$

3. **associative**

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

4. **commutative**

5)  $1 \times 9 = 9$

5. **identity**

6)  $4 \times 1 = 4$

6. **identity**

7)  $(1 \times 4) + (1 \times 9) = 1 \times (4 + 9)$

7. **distributive**

8)  $10 \times 1 = 10$

8. **identity**

9)  $(6 \times 10) + (6 \times 5) = 6 \times (10 + 5)$

9. **distributive**

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

10. **commutative**

11)  $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

11. **distributive**

12)  $3 \times 1 = 1 \times 3$

12. **commutative**

13)  $0 \times (9 + 6) = (0 \times 9) + (0 \times 6)$

13. **distributive**

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

14. **commutative**

15)  $1 \times (4 \times 3) = (1 \times 4) \times 3$

15. **associative**

16)  $1 \times (4 \times 7) = (1 \times 4) \times 7$

16. **associative**

17)  $1 \times 5 = 5$

17. **identity**

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

18. **distributive**

19)  $3 \times (5 \times 8) = (3 \times 5) \times 8$

19. **associative**

20)  $2 \times (4 \times 0) = (2 \times 4) \times 0$

20. **associative**



## Identity Properties of Multiplication

Name: \_\_\_\_\_

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

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

4)  $1 \times 7 = 7$

4. \_\_\_\_\_

5)  $1 \times 5 = 5$

5. \_\_\_\_\_

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

6. \_\_\_\_\_

7)  $9 \times 1 = 9$

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

11)  $1 \times 8 = 8$

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

15)  $1 \times 10 = 10$

15. \_\_\_\_\_

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

16. \_\_\_\_\_

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

17. \_\_\_\_\_

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

18. \_\_\_\_\_

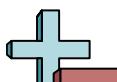
19)  $4 \times 2 = 2 \times 4$

19. \_\_\_\_\_

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

20. \_\_\_\_\_

Answers



## Identity Properties of Multiplication

Name: **Answer Key**

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

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

1. **commutative**

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

2. **distributive**

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

3. **distributive**

4)  $1 \times 7 = 7$

4. **identity**

5)  $1 \times 5 = 5$

5. **identity**

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

6. **associative**

7)  $9 \times 1 = 9$

7. **identity**

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

8. **commutative**

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

9. **associative**

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

10. **associative**

11)  $1 \times 8 = 8$

11. **identity**

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

12. **distributive**

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

13. **associative**

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

14. **distributive**

15)  $1 \times 10 = 10$

15. **identity**

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

16. **commutative**

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

17. **distributive**

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

18. **commutative**

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

19. **commutative**

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

20. **associative****Answers**

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