Associative Property (Missing Digit)

Name:

Find the value of n.

1) (2 × 4) × 9 = 2 × (4 × n)
A. 9
B. 4
C. 7
D. 2

2) (3 × n) × 9 = 3 × (2 × 9)
A. 3
B. 9
C. 2
D. 3

3) (10 × n) × 5 = 10 × (8 × 5)
A. 5
B. 8
C. 5
D. 10

4) (4 × n) × 3 = 4 × (5 × 3)
A. 9
B. 4
C. 4
D. 5

5) n × (5 × 4) = (3 × 5) × 4
A. 2
B. 4
C. 3
D. 4

6) n × (7 × 1) = (3 × 7) × 1
A. 7
B. 7
C. 3
D. 1

7) 4 × (n × 2) = (4 × 6) × 2
A. 6
B. 2
C. 2
D. 4

8) (6 × 0) × 5 = 6 × (0 × n)
A. 0
B. 6
C. 5
D. 6

9) (10 × 1) × 3 = 10 × (1 × n)
A. 3
B. 10
C. 6
D. 10

10) 10 × (3 × n) = (10 × 3) × 7
A. 3
B. 10
C. 7
D. 3

11) (5 × 4) × 3 = 5 × (4 × n)
A. 3
B. 4
C. 7
D. 5

12) n × (4 × 2) = (5 × 4) × 2
A. 9
B. 5
C. 2
D. 4

13) 5 × (10 × 6) = (5 × 10) × n
A. 6
B. 8
C. 10
D. 5

14) 10 × (n × 7) = (10 × 0) × 7
A. 7
B. 4
C. 7
D. 10

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (2 × 4) × 9 = 2 × (4 × n)
A. 9
B. 4
C. 7
D. 2

2) (3 × n) × 9 = 3 × (2 × 9)
A. 3
B. 9
C. 2
D. 3

3) (10 × n) × 5 = 10 × (8 × 5)
A. 5
B. 8
C. 5
D. 10

4) (4 × n) × 3 = 4 × (5 × 3)
A. 9
B. 4
C. 4
D. 5

5) n × (5 × 4) = (3 × 5) × 4
A. 2
B. 4
C. 3
D. 4

6) n × (7 × 1) = (3 × 7) × 1
A. 7
B. 7
C. 3
D. 1

7) 4 × (n × 2) = (4 × 6) × 2
A. 6
B. 2
C. 2
D. 4

8) (6 × 0) × 5 = 6 × (0 × n)
A. 0
B. 6
C. 5
D. 6

9) (10 × 1) × 3 = 10 × (1 × n)
A. 3
B. 10
C. 6
D. 10

10) 10 × (3 × n) = (10 × 3) × 7
A. 3
B. 10
C. 7
D. 3

11) (5 × 4) × 3 = 5 × (4 × n)
A. 3
B. 4
C. 7
D. 5

12) n × (4 × 2) = (5 × 4) × 2
A. 9
B. 5
C. 2
D. 4

13) 5 × (10 × 6) = (5 × 10) × n
A. 6
B. 8
C. 10
D. 5

14) 10 × (n × 7) = (10 × 0) × 7
A. 7
B. 4
C. 7
D. 10

Answers

1. A
2. C
3. B
4. D
5. C
6. C
7. A
8. C
9. A
10. C
11. A
12. B
13. A
14. B

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (10 × 7) × 4 = 10 × (n × 4)
A. 0
B. 10
C. 4
D. 7

2) (4 × 7) × 0 = n × (7 × 0)
A. 4
B. 7
C. 0
D. 8

3) 5 × (4 × 7) = (5 × 4) × n
A. 4
B. 8
C. 4
D. 7

4) n × (5 × 2) = (9 × 5) × 2
A. 2
B. 10
C. 9
D. 2

5) 10 × (2 × n) = (10 × 2) × 9
A. 10
B. 9
C. 3
D. 10

6) 10 × (5 × 6) = (n × 5) × 6
A. 10
B. 6
C. 5
D. 0

7) (n × 5) × 3 = 9 × (5 × 3)
A. 2
B. 3
C. 9
D. 5

8) (n × 7) × 3 = 6 × (7 × 3)
A. 7
B. 3
C. 6
D. 5

9) 5 × (7 × 2) = (5 × n) × 2
A. 7
B. 2
C. 10
D. 5

10) 2 × (3 × 9) = (n × 3) × 9
A. 5
B. 2
C. 9
D. 3

11) (6 × n) × 1 = 6 × (8 × 1)
A. 8
B. 6
C. 6
D. 4

12) (10 × 1) × n = 10 × (1 × 7)
A. 7
B. 10
C. 10
D. 4

13) 9 × (10 × 8) = (9 × n) × 8
A. 9
B. 10
C. 2
D. 8

14) (9 × n) × 6 = 9 × (7 × 6)
A. 9
B. 2
C. 9
D. 7

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (10 × 7) × 4 = 10 × (n × 4)
A. 0
B. 10
C. 4
D. 7

2) (4 × 7) × 0 = n × (7 × 0)
A. 4
B. 7
C. 0
D. 8

3) 5 × (4 × 7) = (5 × 4) × n
A. 4
B. 8
C. 4
D. 7

4) n × (5 × 2) = (9 × 5) × 2
A. 2
B. 10
C. 9
D. 2

5) 10 × (2 × n) = (10 × 2) × 9
A. 10
B. 9
C. 3
D. 10

6) 10 × (5 × 6) = (n × 5) × 6
A. 10
B. 6
C. 5
D. 0

7) (n × 5) × 3 = 9 × (5 × 3)
A. 2
B. 3
C. 9
D. 5

8) (n × 7) × 3 = 6 × (7 × 3)
A. 7
B. 3
C. 6
D. 5

9) 5 × (7 × 2) = (5 × n) × 2
A. 7
B. 2
C. 10
D. 5

10) 2 × (3 × 9) = (n × 3) × 9
A. 5
B. 2
C. 9
D. 3

11) (6 × n) × 1 = 6 × (8 × 1)
A. 8
B. 6
C. 6
D. 4

12) (10 × 1) × n = 10 × (1 × 7)
A. 7
B. 10
C. 10
D. 4

13) 9 × (10 × 8) = (9 × n) × 8
A. 9
B. 10
C. 2
D. 8

14) (9 × n) × 6 = 9 × (7 × 6)
A. 9
B. 2
C. 9
D. 7

Answers

1. D
2. A
3. D
4. C
5. B
6. A
7. C
8. C
9. A
10. B
11. A
12. A
13. B
14. D

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (6 × 10) × 7 = 6 × (10 × n)
A. 6
B. 6
C. 7
D. 10

2) 7 × (n × 0) = (7 × 10) × 0
A. 10
B. 0
C. 7
D. 3

3) 7 × (n × 3) = (7 × 8) × 3
A. 3
B. 7
C. 9
D. 8

4) 4 × (7 × n) = (4 × 7) × 2
A. 7
B. 9
C. 4
D. 2

5) (5 × n) × 3 = 5 × (8 × 3)
A. 3
B. 2
C. 5
D. 8

6) 8 × (10 × 5) = (8 × 10) × n
A. 10
B. 10
C. 5
D. 8

7) (0 × 10) × 8 = 0 × (10 × n)
A. 10
B. 10
C. 8
D. 0

8) 10 × (2 × n) = (10 × 2) × 4
A. 4
B. 3
C. 10
D. 2

9) 0 × (3 × 4) = (0 × 3) × n
A. 4
B. 7
C. 3
D. 0

10) 9 × (3 × 10) = (n × 3) × 10
A. 9
B. 8
C. 3
D. 10

11) (1 × 10) × 6 = n × (10 × 6)
A. 6
B. 10
C. 1
D. 10

12) 3 × (0 × 6) = (3 × n) × 6
A. 3
B. 3
C. 6
D. 6

13) (9 × n) × 0 = 9 × (10 × 0)
A. 9
B. 0
C. 10
D. 9

14) (n × 6) × 9 = 10 × (6 × 9)
A. 6
B. 2
C. 10
D. 6

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (6 × 10) × 7 = 6 × (10 × n)
A. 6
B. 6
C. 7
D. 10

2) 7 × (n × 0) = (7 × 10) × 0
A. 10
B. 0
C. 7
D. 3

3) 7 × (n × 3) = (7 × 8) × 3
A. 3
B. 7
C. 9
D. 8

4) 4 × (7 × n) = (4 × 7) × 2
A. 7
B. 9
C. 4
D. 2

5) (5 × n) × 3 = 5 × (8 × 3)
A. 3
B. 2
C. 5
D. 8

6) 8 × (10 × 5) = (8 × 10) × n
A. 10
B. 10
C. 5
D. 8

7) (0 × 10) × 8 = 0 × (10 × n)
A. 10
B. 10
C. 8
D. 0

8) 10 × (2 × n) = (10 × 2) × 4
A. 4
B. 3
C. 10
D. 2

9) 0 × (3 × 4) = (0 × 3) × n
A. 4
B. 7
C. 3
D. 0

10) 9 × (3 × 10) = (n × 3) × 10
A. 9
B. 8
C. 3
D. 10

11) (1 × 10) × 6 = n × (10 × 6)
A. 6
B. 10
C. 1
D. 10

12) 3 × (0 × 6) = (3 × n) × 6
A. 3
B. 3
C. 6
D. 6

13) (9 × n) × 0 = 9 × (10 × 0)
A. 9
B. 0
C. 10
D. 9

14) (n × 6) × 9 = 10 × (6 × 9)
A. 6
B. 2
C. 10
D. 6

Answers

1. C
2. A
3. D
4. D
5. D
6. C
7. C
8. A
9. A
10. A
11. C
12. B
13. C
14. C

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (6 × 10) × n = 6 × (10 × 1)
A. 6
B. 2
C. 1
D. 10

2) 3 × (1 × 9) = (n × 1) × 9
A. 9
B. 9
C. 3
D. 1

3) 1 × (8 × n) = (1 × 8) × 5
A. 1
B. 2
C. 5
D. 1

4) 5 × (7 × 9) = (5 × 7) × n
A. 7
B. 9
C. 5
D. 5

5) n × (7 × 1) = (2 × 7) × 1
A. 7
B. 1
C. 2
D. 0

6) 1 × (10 × n) = (1 × 10) × 0
A. 9
B. 10
C. 1
D. 10

7) 6 × (n × 0) = (6 × 1) × 0
A. 0
B. 0
C. 1
D. 10

8) (8 × 6) × n = 8 × (6 × 9)
A. 6
B. 9
C. 0
D. 6

9) (6 × 4) × 0 = 6 × (n × 0)
A. 4
B. 0
C. 6
D. 0

10) 4 × (7 × 6) = (4 × 7) × n
A. 6
B. 7
C. 4
D. 7

11) (9 × 0) × 2 = n × (0 × 2)
A. 9
B. 2
C. 0
D. 2

12) n × (7 × 3) = (2 × 7) × 3
A. 3
B. 7
C. 2
D. 7

13) (4 × 9) × n = 4 × (9 × 3)
A. 3
B. 9
C. 4
D. 9

14) 3 × (4 × 9) = (3 × n) × 9
A. 9
B. 4
C. 9
D. 7

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (6 × 10) × n = 6 × (10 × 1)
A. 6
B. 2
C. 1
D. 10

2) 3 × (1 × 9) = (n × 1) × 9
A. 9
B. 9
C. 3
D. 1

3) 1 × (8 × n) = (1 × 8) × 5
A. 1
B. 2
C. 5
D. 1

4) 5 × (7 × 9) = (5 × 7) × n
A. 7
B. 9
C. 5
D. 5

5) n × (7 × 1) = (2 × 7) × 1
A. 7
B. 1
C. 2
D. 0

6) 1 × (10 × n) = (1 × 10) × 0
A. 9
B. 10
C. 1
D. 10

7) 6 × (n × 0) = (6 × 1) × 0
A. 0
B. 0
C. 1
D. 10

8) (8 × 6) × n = 8 × (6 × 9)
A. 6
B. 9
C. 0
D. 6

9) (6 × 4) × 0 = 6 × (n × 0)
A. 4
B. 0
C. 6
D. 0

10) 4 × (7 × 6) = (4 × 7) × n
A. 6
B. 7
C. 4
D. 7

11) (9 × 0) × 2 = n × (0 × 2)
A. 9
B. 2
C. 0
D. 2

12) n × (7 × 3) = (2 × 7) × 3
A. 3
B. 7
C. 2
D. 7

13) (4 × 9) × n = 4 × (9 × 3)
A. 3
B. 9
C. 4
D. 9

14) 3 × (4 × 9) = (3 × n) × 9
A. 9
B. 4
C. 9
D. 7

Answers

1. C
2. C
3. C
4. B
5. C
6. D
7. C
8. B
9. A
10. A
11. A
12. C
13. A
14. B

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (4 × 6) × 8 = 4 × (6 × n)
A. 6
B. 4
C. 8
D. 6

2) (7 × 3) × n = 7 × (3 × 2)
A. 7
B. 7
C. 2
D. 3

3) 8 × (n × 1) = (8 × 6) × 1
A. 6
B. 3
C. 1
D. 1

4) (10 × 2) × 7 = n × (2 × 7)
A. 2
B. 10
C. 2
D. 9

5) 7 × (0 × 5) = (n × 0) × 5
A. 7
B. 5
C. 0
D. 0

6) (7 × 0) × 6 = 7 × (n × 6)
A. 6
B. 7
C. 4
D. 6

7) (1 × 3) × 9 = n × (3 × 9)
A. 1
B. 9
C. 3
D. 8

8) (3 × 9) × 8 = n × (9 × 8)
A. 8
B. 9
C. 3
D. 8

9) 5 × (10 × 8) = (n × 10) × 8
A. 5
B. 1
C. 10
D. 10

10) n × (8 × 5) = (1 × 8) × 5
A. 1
B. 8
C. 8
D. 5

11) 2 × (7 × 1) = (n × 7) × 1
A. 1
B. 2
C. 7
D. 4

12) (7 × 5) × 10 = 7 × (n × 10)
A. 10
B. 7
C. 5
D. 10

13) 7 × (0 × n) = (7 × 0) × 6
A. 0
B. 6
C. 0
D. 7

14) (2 × 5) × n = 2 × (5 × 8)
A. 8
B. 4
C. 2
D. 5

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (4 × 6) × 8 = 4 × (6 × n)
A. 6
B. 4
C. 8
D. 6

2) (7 × 3) × n = 7 × (3 × 2)
A. 7
B. 7
C. 2
D. 3

3) 8 × (n × 1) = (8 × 6) × 1
A. 6
B. 3
C. 1
D. 1

4) (10 × 2) × 7 = n × (2 × 7)
A. 2
B. 10
C. 2
D. 9

5) 7 × (0 × 5) = (n × 0) × 5
A. 7
B. 5
C. 0
D. 0

6) (7 × 0) × 6 = 7 × (n × 6)
A. 6
B. 7
C. 4
D. 6

7) (1 × 3) × 9 = n × (3 × 9)
A. 1
B. 9
C. 3
D. 8

8) (3 × 9) × 8 = n × (9 × 8)
A. 8
B. 9
C. 3
D. 8

9) 5 × (10 × 8) = (n × 10) × 8
A. 5
B. 1
C. 10
D. 10

10) n × (8 × 5) = (1 × 8) × 5
A. 1
B. 8
C. 8
D. 5

11) 2 × (7 × 1) = (n × 7) × 1
A. 1
B. 2
C. 7
D. 4

12) (7 × 5) × 10 = 7 × (n × 10)
A. 10
B. 7
C. 5
D. 10

13) 7 × (0 × n) = (7 × 0) × 6
A. 0
B. 6
C. 0
D. 7

14) (2 × 5) × n = 2 × (5 × 8)
A. 8
B. 4
C. 2
D. 5

Answers

1. C
2. C
3. A
4. B
5. A
6. C
7. A
8. C
9. A
10. A
11. B
12. C
13. B
14. A

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) n × (1 × 3) = (8 × 1) × 3
A. 8
B. 3
C. 1
D. 1

2) (1 × 6) × 10 = 1 × (n × 10)
A. 6
B. 10
C. 1
D. 2

3) (0 × 1) × 3 = n × (1 × 3)
A. 1
B. 3
C. 1
D. 3

4) (10 × 3) × 2 = 10 × (n × 2)
A. 3
B. 9
C. 2
D. 10

5) 10 × (3 × n) = (10 × 3) × 2
A. 10
B. 0
C. 2
D. 3

6) 5 × (n × 10) = (5 × 6) × 10
A. 2
B. 6
C. 5
D. 10

7) (5 × 1) × n = 5 × (1 × 4)
A. 4
B. 5
C. 0
D. 5

8) 0 × (4 × 7) = (0 × 4) × n
A. 0
B. 7
C. 4
D. 0

9) (n × 7) × 3 = 9 × (7 × 3)
A. 9
B. 2
C. 3
D. 7

10) (n × 6) × 8 = 7 × (6 × 8)
A. 6
B. 7
C. 9
D. 8

11) (7 × n) × 1 = 7 × (0 × 1)
A. 1
B. 8
C. 1
D. 7

12) (8 × 9) × 10 = n × (9 × 10)
A. 8
B. 10
C. 4
D. 9

13) 3 × (4 × 2) = (n × 4) × 2
A. 4
B. 2
C. 3
D. 2

14) 0 × (5 × 1) = (0 × 5) × n
A. 5
B. 1
C. 5
D. 0

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) n × (1 × 3) = (8 × 1) × 3
A. 8
B. 3
C. 1
D. 1

2) (1 × 6) × 10 = 1 × (n × 10)
A. 6
B. 10
C. 1
D. 2

3) (0 × 1) × 3 = n × (1 × 3)
A. 1
B. 3
C. 1
D. 3

4) (10 × 3) × 2 = 10 × (n × 2)
A. 3
B. 9
C. 2
D. 10

5) 10 × (3 × n) = (10 × 3) × 2
A. 10
B. 0
C. 2
D. 3

6) 5 × (n × 10) = (5 × 6) × 10
A. 2
B. 6
C. 5
D. 10

7) (5 × 1) × n = 5 × (1 × 4)
A. 4
B. 5
C. 0
D. 5

8) 0 × (4 × 7) = (0 × 4) × n
A. 0
B. 7
C. 4
D. 0

9) (n × 7) × 3 = 9 × (7 × 3)
A. 9
B. 2
C. 3
D. 7

10) (n × 6) × 8 = 7 × (6 × 8)
A. 6
B. 7
C. 9
D. 8

11) (7 × n) × 1 = 7 × (0 × 1)
A. 1
B. 8
C. 1
D. 7

12) (8 × 9) × 10 = n × (9 × 10)
A. 8
B. 10
C. 4
D. 9

13) 3 × (4 × 2) = (n × 4) × 2
A. 4
B. 2
C. 3
D. 2

14) 0 × (5 × 1) = (0 × 5) × n
A. 5
B. 1
C. 5
D. 0

Answers

1. A
2. A
3. D
4. A
5. C
6. B
7. A
8. B
9. A
10. B
11. A
12. A
13. C
14. B

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) 5 × (8 × n) = (5 × 8) × 7
A. 7
B. 5
C. 5
D. 8

2) 6 × (3 × n) = (6 × 3) × 8
A. 6
B. 3
C. 8
D. 6

3) (1 × n) × 5 = 1 × (4 × 5)
A. 1
B. 9
C. 5
D. 4

4) (10 × 3) × 2 = n × (3 × 2)
A. 2
B. 10
C. 8
D. 3

5) (n × 1) × 5 = 0 × (1 × 5)
A. 1
B. 5
C. 8
D. 5

6) n × (8 × 7) = (1 × 8) × 7
A. 7
B. 8
C. 1
D. 8

7) 2 × (0 × 9) = (2 × n) × 9
A. 2
B. 2
C. 9
D. 9

8) 4 × (10 × 1) = (4 × n) × 1
A. 1
B. 4
C. 4
D. 10

9) (6 × 7) × 1 = 6 × (7 × n)
A. 1
B. 7
C. 6
D. 5

10) 6 × (1 × 10) = (6 × 1) × n
A. 6
B. 10
C. 6
D. 1

11) 4 × (2 × 3) = (4 × 2) × n
A. 3
B. 2
C. 4
D. 2

12) (8 × 10) × 3 = 8 × (n × 3)
A. 8
B. 3
C. 8
D. 10

13) (3 × 4) × n = 3 × (4 × 5)
A. 10
B. 3
C. 4
D. 5

14) (2 × 9) × 7 = 2 × (9 × n)
A. 2
B. 9
C. 8
D. 7

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) 5 × (8 × n) = (5 × 8) × 7
A. 7
B. 5
C. 5
D. 8

2) 6 × (3 × n) = (6 × 3) × 8
A. 6
B. 3
C. 8
D. 6

3) (1 × n) × 5 = 1 × (4 × 5)
A. 1
B. 9
C. 5
D. 4

4) (10 × 3) × 2 = n × (3 × 2)
A. 2
B. 10
C. 8
D. 3

5) (n × 1) × 5 = 0 × (1 × 5)
A. 1
B. 5
C. 8
D. 5

6) n × (8 × 7) = (1 × 8) × 7
A. 7
B. 8
C. 1
D. 8

7) 2 × (0 × 9) = (2 × n) × 9
A. 2
B. 2
C. 9
D. 9

8) 4 × (10 × 1) = (4 × n) × 1
A. 1
B. 4
C. 4
D. 10

9) (6 × 7) × 1 = 6 × (7 × n)
A. 1
B. 7
C. 6
D. 5

10) 6 × (1 × 10) = (6 × 1) × n
A. 6
B. 10
C. 6
D. 1

11) 4 × (2 × 3) = (4 × 2) × n
A. 3
B. 2
C. 4
D. 2

12) (8 × 10) × 3 = 8 × (n × 3)
A. 8
B. 3
C. 8
D. 10

13) (3 × 4) × n = 3 × (4 × 5)
A. 10
B. 3
C. 4
D. 5

14) (2 × 9) × 7 = 2 × (9 × n)
A. 2
B. 9
C. 8
D. 7

Answers

1. A
2. C
3. D
4. B
5. A
6. C
7. A
8. D
9. A
10. B
11. A
12. D
13. D
14. D

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (1 × 9) × 10 = n × (9 × 10)
A. 10
B. 7
C. 10
D. 1

2) n × (7 × 4) = (0 × 7) × 4
A. 4
B. 7
C. 4
D. 1

3) 9 × (0 × 7) = (9 × n) × 7
A. 9
B. 9
C. 7
D. 7

4) 9 × (1 × 10) = (9 × 1) × n
A. 9
B. 9
C. 10
D. 0

5) (1 × 9) × 10 = n × (9 × 10)
A. 5
B. 1
C. 10
D. 9

6) (4 × n) × 2 = 4 × (5 × 2)
A. 2
B. 2
C. 5
D. 4

7) 3 × (5 × 9) = (n × 5) × 9
A. 5
B. 5
C. 8
D. 3

8) 3 × (6 × 9) = (n × 6) × 9
A. 6
B. 3
C. 6
D. 9

9) (8 × 3) × 1 = n × (3 × 1)
A. 1
B. 3
C. 3
D. 8

10) (6 × 5) × 3 = 6 × (5 × n)
A. 5
B. 6
C. 3
D. 6

11) n × (4 × 3) = (7 × 4) × 3
A. 4
B. 8
C. 7
D. 3

12) 4 × (1 × 2) = (n × 1) × 2
A. 2
B. 1
C. 4
D. 6

13) 1 × (4 × n) = (1 × 4) × 5
A. 5
B. 6
C. 1
D. 4

14) 0 × (7 × 9) = (0 × n) × 9
A. 7
B. 0
C. 6
D. 0

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (1 × 9) × 10 = n × (9 × 10)
A. 10
B. 7
C. 10
D. 1

2) n × (7 × 4) = (0 × 7) × 4
A. 4
B. 7
C. 4
D. 1

3) 9 × (0 × 7) = (9 × n) × 7
A. 9
B. 9
C. 7
D. 7

4) 9 × (1 × 10) = (9 × 1) × n
A. 9
B. 9
C. 10
D. 0

5) (1 × 9) × 10 = n × (9 × 10)
A. 5
B. 1
C. 10
D. 9

6) (4 × n) × 2 = 4 × (5 × 2)
A. 2
B. 2
C. 5
D. 4

7) 3 × (5 × 9) = (n × 5) × 9
A. 5
B. 5
C. 8
D. 3

8) 3 × (6 × 9) = (n × 6) × 9
A. 6
B. 3
C. 6
D. 9

9) (8 × 3) × 1 = n × (3 × 1)
A. 1
B. 3
C. 3
D. 8

10) (6 × 5) × 3 = 6 × (5 × n)
A. 5
B. 6
C. 3
D. 6

11) n × (4 × 3) = (7 × 4) × 3
A. 4
B. 8
C. 7
D. 3

12) 4 × (1 × 2) = (n × 1) × 2
A. 2
B. 1
C. 4
D. 6

13) 1 × (4 × n) = (1 × 4) × 5
A. 5
B. 6
C. 1
D. 4

14) 0 × (7 × 9) = (0 × n) × 9
A. 7
B. 0
C. 6
D. 0

Answers

1. D
2. D
3. B
4. C
5. B
6. C
7. D
8. B
9. D
10. C
11. C
12. C
13. A
14. A

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) (5 × 2) × 4 = 5 × (2 × n)
A. 2
B. 5
C. 2
D. 4

2) 0 × (10 × 6) = (0 × 10) × n
A. 6
B. 0
C. 0
D. 5

3) 2 × (9 × 10) = (2 × 9) × n
A. 1
B. 10
C. 9
D. 9

4) (4 × 0) × 10 = 4 × (0 × n)
A. 10
B. 0
C. 4
D. 7

5) 9 × (4 × n) = (9 × 4) × 2
A. 9
B. 3
C. 2
D. 4

6) (n × 6) × 5 = 4 × (6 × 5)
A. 4
B. 3
C. 5
D. 6

7) (n × 1) × 8 = 4 × (1 × 8)
A. 8
B. 1
C. 4
D. 9

8) (6 × 4) × 9 = 6 × (4 × n)
A. 9
B. 10
C. 6
D. 6

9) (6 × 5) × n = 6 × (5 × 1)
A. 10
B. 6
C. 1
D. 5

10) n × (6 × 8) = (2 × 6) × 8
A. 6
B. 2
C. 6
D. 7

11) (3 × 8) × n = 3 × (8 × 9)
A. 3
B. 4
C. 9
D. 8

12) 3 × (1 × 2) = (n × 1) × 2
A. 3
B. 2
C. 1
D. 10

13) 6 × (9 × 5) = (6 × n) × 5
A. 9
B. 5
C. 6
D. 6

14) 2 × (0 × 4) = (2 × 0) × n
A. 10
B. 4
C. 2
D. 2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) (5 × 2) × 4 = 5 × (2 × n)
A. 2
B. 5
C. 2
D. 4

2) 0 × (10 × 6) = (0 × 10) × n
A. 6
B. 0
C. 0
D. 5

3) 2 × (9 × 10) = (2 × 9) × n
A. 1
B. 10
C. 9
D. 9

4) (4 × 0) × 10 = 4 × (0 × n)
A. 10
B. 0
C. 4
D. 7

5) 9 × (4 × n) = (9 × 4) × 2
A. 9
B. 3
C. 2
D. 4

6) (n × 6) × 5 = 4 × (6 × 5)
A. 4
B. 3
C. 5
D. 6

7) (n × 1) × 8 = 4 × (1 × 8)
A. 8
B. 1
C. 4
D. 9

8) (6 × 4) × 9 = 6 × (4 × n)
A. 9
B. 10
C. 6
D. 6

9) (6 × 5) × n = 6 × (5 × 1)
A. 10
B. 6
C. 1
D. 5

10) n × (6 × 8) = (2 × 6) × 8
A. 6
B. 2
C. 6
D. 7

11) (3 × 8) × n = 3 × (8 × 9)
A. 3
B. 4
C. 9
D. 8

12) 3 × (1 × 2) = (n × 1) × 2
A. 3
B. 2
C. 1
D. 10

13) 6 × (9 × 5) = (6 × n) × 5
A. 9
B. 5
C. 6
D. 6

14) 2 × (0 × 4) = (2 × 0) × n
A. 10
B. 4
C. 2
D. 2

Answers

1. D
2. A
3. B
4. A
5. C
6. A
7. C
8. A
9. C
10. B
11. C
12. A
13. A
14. B

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit)

Name:

Find the value of n.

1) n × (10 × 2) = (0 × 10) × 2
A. 10
B. 1
C. 10
D. 2

2) (2 × 6) × 10 = 2 × (n × 10)
A. 10
B. 7
C. 6
D. 10

3) n × (2 × 5) = (6 × 2) × 5
A. 6
B. 5
C. 2
D. 8

4) 9 × (n × 3) = (9 × 1) × 3
A. 1
B. 3
C. 9
D. 3

5) 7 × (5 × 6) = (7 × n) × 6
A. 7
B. 6
C. 7
D. 5

6) 9 × (1 × 4) = (n × 1) × 4
A. 9
B. 4
C. 1
D. 1

7) (n × 9) × 6 = 1 × (9 × 6)
A. 0
B. 6
C. 1
D. 9

8) (n × 3) × 6 = 5 × (3 × 6)
A. 3
B. 4
C. 5
D. 6

9) 8 × (3 × n) = (8 × 3) × 0
A. 8
B. 3
C. 2
D. 3

10) 5 × (9 × n) = (5 × 9) × 8
A. 2
B. 5
C. 9
D. 8

11) n × (3 × 0) = (8 × 3) × 0
A. 8
B. 0
C. 5
D. 3

12) (n × 10) × 2 = 8 × (10 × 2)
A. 4
B. 2
C. 2
D. 8

13) 1 × (7 × 4) = (n × 7) × 4
A. 1
B. 4
C. 8
D. 7

14) 7 × (1 × 10) = (7 × 1) × n
A. 9
B. 10
C. 7
D. 1

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Associative Property (Missing Digit) Name: **Answer Key**

Find the value of n.

1) n × (10 × 2) = (0 × 10) × 2
A. 10
B. 1
C. 10
D. 2

2) (2 × 6) × 10 = 2 × (n × 10)
A. 10
B. 7
C. 6
D. 10

3) n × (2 × 5) = (6 × 2) × 5
A. 6
B. 5
C. 2
D. 8

4) 9 × (n × 3) = (9 × 1) × 3
A. 1
B. 3
C. 9
D. 3

5) 7 × (5 × 6) = (7 × n) × 6
A. 7
B. 6
C. 7
D. 5

6) 9 × (1 × 4) = (n × 1) × 4
A. 9
B. 4
C. 1
D. 1

7) (n × 9) × 6 = 1 × (9 × 6)
A. 0
B. 6
C. 1
D. 9

8) (n × 3) × 6 = 5 × (3 × 6)
A. 3
B. 4
C. 5
D. 6

9) 8 × (3 × n) = (8 × 3) × 0
A. 8
B. 3
C. 2
D. 3

10) 5 × (9 × n) = (5 × 9) × 8
A. 2
B. 5
C. 9
D. 8

11) n × (3 × 0) = (8 × 3) × 0
A. 8
B. 0
C. 5
D. 3

12) (n × 10) × 2 = 8 × (10 × 2)
A. 4
B. 2
C. 2
D. 8

13) 1 × (7 × 4) = (n × 7) × 4
A. 1
B. 4
C. 8
D. 7

14) 7 × (1 × 10) = (7 × 1) × n
A. 9
B. 10
C. 7
D. 1

Answers

1. D
2. C
3. A
4. A
5. D
6. A
7. C
8. C
9. B
10. D
11. A
12. D
13. A
14. B

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						