Associative Value (Missing Digit)

Name:

Find the value of n.

1) (5 × 2) × 4 = 5 × (2 × n)

2) 0 × (10 × 6) = (0 × 10) × n

3) 2 × (9 × 10) = (2 × 9) × n

4) (4 × 0) × 10 = 4 × (0 × n)

5) 9 × (4 × n) = (9 × 4) × 2

6) (n × 6) × 5 = 4 × (6 × 5)

7) (n × 1) × 8 = 4 × (1 × 8)

8) (6 × 4) × 9 = 6 × (4 × n)

9) (6 × 5) × n = 6 × (5 × 1)

10) n × (6 × 8) = (2 × 6) × 8

11) (3 × 8) × n = 3 × (8 × 9)

12) 3 × (1 × 2) = (n × 1) × 2

13) 6 × (9 × 5) = (6 × n) × 5

14) 2 × (0 × 4) = (2 × 0) × n

15) 3 × (n × 8) = (3 × 4) × 8

16) 7 × (n × 6) = (7 × 1) × 6

17) 8 × (5 × 0) = (8 × n) × 0

18) 4 × (0 × n) = (4 × 0) × 9

19) 3 × (8 × n) = (3 × 8) × 4

20) 2 × (0 × 3) = (2 × 0) × n

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

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

Find the value of n.

1) (5 × 2) × 4 = 5 × (2 × n)

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18) 4 × (0 × n) = (4 × 0) × 9

19) 3 × (8 × n) = (3 × 8) × 4

20) 2 × (0 × 3) = (2 × 0) × n

Answers

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

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