Placing Decimals with Multiplication

Name:

Determine the placement of the decimal in each product.

5.809 × 7.8 = 4 5 3 1 0 2

1. Count the quantity of numbers to the right of the decimal for each factor.
   5.809 has 3 numbers right of the decimal (5.809)
   7.8 has 1 number right of the decimal (7.8)

2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.
   3 + 1 = 4
   5.089 (3) × 7.8 (1) = 45.3102 (4)

Also notice that 5 × 7 = 35 and 6 × 8 = 48 , so 5.809 × 7.8 will be a more than 35 but less than 48.

1)	8.97 × 8.3 =	7 4 4 5 1
2)	6.9 × 3 =	2 0 7
3)	6.327 × 4.4 =	2 7 8 3 8 8
4)	1.61 × 8.176 =	1 3 1 6 3 3 6
5)	9 × 6.785 =	6 1 0 6 5
6)	6 × 9.8 =	5 8 8
7)	9 × 6.622 =	5 9 5 9 8
8)	1.543 × 6.96 =	1 0 7 3 9 2 8
9)	8 × 8.47 =	6 7 7 6
10)	5.214 × 7.7 =	4 0 1 4 7 8
11)	4.31 × 1 =	4 3 1
12)	8.393 × 4 =	3 3 5 7 2
13)	8.3 × 3.997 =	3 3 1 7 5 1
14)	9.15 × 7 =	6 4 0 5
15)	8.487 × 6 =	5 0 9 2 2
16)	1.93 × 1.2 =	2 3 1 6
17)	5 × 7.6 =	3 8 0
18)	8.5 × 2 =	1 7 0
19)	6 × 2.549 =	1 5 2 9 4
20)	8.282 × 8.3 =	6 8 7 4 0 6

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

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Name: **Answer Key**

Determine the placement of the decimal in each product.

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2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.
   3 + 1 = 4
   5.089 (3) × 7.8 (1) = 45.3102 (4)

Also notice that 5 × 7 = 35 and 6 × 8 = 48 , so 5.809 × 7.8 will be a more than 35 but less than 48.

1) 8.97 × 8.3 = 7 4 . 4 5 1

2) 6.9 × 3 = 2 0 . 7

3) 6.327 × 4.4 = 2 7 . 8 3 8 8

4) 1.61 × 8.176 = 1 3 . 1 6 3 3 6

5) 9 × 6.785 = 6 1 . 0 6 5

6) 6 × 9.8 = 5 8 . 8

7) 9 × 6.622 = 5 9 . 5 9 8

8) 1.543 × 6.96 = 1 0 . 7 3 9 2 8

9) 8 × 8.47 = 6 7 . 7 6

10) 5.214 × 7.7 = 4 0 . 1 4 7 8

11) 4.31 × 1 = 4 . 3 1

12) 8.393 × 4 = 3 3 . 5 7 2

13) 8.3 × 3.997 = 3 3 . 1 7 5 1

14) 9.15 × 7 = 6 4 . 0 5

15) 8.487 × 6 = 5 0 . 9 2 2

16) 1.93 × 1.2 = 2 . 3 1 6

17) 5 × 7.6 = 3 8 . 0

18) 8.5 × 2 = 1 7 . 0

19) 6 × 2.549 = 1 5 . 2 9 4

20) 8.282 × 8.3 = 6 8 . 7 4 0 6

Answers

1. 74.451
2. 20.7
3. 27.8388
4. 13.16336
5. 61.065
6. 58.8
7. 59.598
8. 10.73928
9. 67.76
10. 40.1478
11. 4.31
12. 33.572
13. 33.1751
14. 64.05
15. 50.922
16. 2.316
17. 38.0
18. 17.0
19. 15.294
20. 68.7406

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