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) 4.421 × 4.8 = 2 1 2 2 0 8

2) 8.53 × 7 = 5 9 7 1

3) 5.385 × 4 = 2 1 5 4 0

4) 8.8 × 6 = 5 2 8

5) 8.169 × 9 = 7 3 5 2 1

6) 1.8 × 3 = 5 4

7) 7.8 × 2.72 = 2 1 2 1 6

8) 7.29 × 6 = 4 3 7 4

9) 2.676 × 2.71 = 7 2 5 1 9 6

10) 6.43 × 5.6 = 3 6 0 0 8

11) 2.43 × 8.8 = 2 1 3 8 4

12) 7 × 5.37 = 3 7 5 9

13) 4.9 × 8.35 = 4 0 9 1 5

14) 4.8 × 8.464 = 4 0 6 2 7 2

15) 8.1 × 9.89 = 8 0 1 0 9

16) 4 × 4.51 = 1 8 0 4

17) 3 × 9.88 = 2 9 6 4

18) 2.71 × 1 = 2 7 1

19) 1 × 8.533 = 8 5 3 3

Answers

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

1-10	95	89	84	79	74	68	63	58	53	47
11-19	42	37	32	26	21	16	11	5	0	

Placing Decimals with Multiplication

Name: **Answer Key**

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19) 1 × 8.533 = 8 . 5 3 3

Answers

1. 21.2208
2. 59.71
3. 21.540
4. 52.8
5. 73.521
6. 5.4
7. 21.216
8. 43.74
9. 7.25196
10. 36.008
11. 21.384
12. 37.59
13. 40.915
14. 40.6272
15. 80.109
16. 18.04
17. 29.64
18. 2.71
19. 8.533

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