



Determine the placement of the decimal in each product.

$$5.809 \times 7.8 = 453102$$

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.

$$3 + 1 = 4$$

$$5.\underline{089} (3) \times 7.\underline{8} (1) = 45.\underline{3102} (4)$$

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

**Answers**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1)  $9.83 \times 4.891 =$       4 8 0 7 8 5 3

2)  $3.3 \times 4.45 =$       1 4 6 8 5

3)  $1 \times 7.1 =$       7 1

4)  $2.82 \times 8 =$       2 2 5 6

5)  $6.5 \times 1.363 =$       8 8 5 9 5

6)  $3.9 \times 3.82 =$       1 4 8 9 8

7)  $1.25 \times 1.2 =$       1 5 0 0

8)  $7.52 \times 1.1 =$       8 2 7 2

9)  $6.531 \times 2.19 =$       1 4 3 0 2 8 9

10)  $3.357 \times 1.35 =$       4 5 3 1 9 5

11)  $7.449 \times 1 =$       7 4 4 9

12)  $2.8 \times 6.295 =$       1 7 6 2 6 0

13)  $2 \times 6.411 =$       1 2 8 2 2

14)  $1 \times 1.2 =$       1 2

15)  $5.464 \times 1 =$       5 4 6 4

16)  $3.4 \times 6.927 =$       2 3 5 5 1 8

17)  $7.44 \times 7.246 =$       5 3 9 1 0 2 4

18)  $6.928 \times 6.44 =$       4 4 6 1 6 3 2

19)  $9.93 \times 6.4 =$       6 3 5 5 2



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

**Answers**

1. 48.07853

2. 14.685

3. 7.1

4. 22.56

5. 8.8595

6. 14.898

7. 1.500

8. 8.272

9. 14.30289

10. 4.53195

11. 7.449

12. 17.6260

13. 12.822

14. 1.2

15. 5.464

16. 23.5518

17. 53.91024

18. 44.61632

19. 63.552

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