



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)  $8.475 \times 2.12 =$       1 7 9 6 7 0 0

2)  $3.37 \times 4 =$       1 3 4 8

3)  $4.24 \times 7 =$       2 9 6 8

4)  $9.38 \times 1.532 =$       1 4 3 7 0 1 6

5)  $4.47 \times 5.3 =$       2 3 6 9 1

6)  $8.5 \times 4 =$       3 4 0

7)  $7.3 \times 1.21 =$       8 8 3 3

8)  $4.44 \times 5.967 =$       2 6 4 9 3 4 8

9)  $1.97 \times 3 =$       5 9 1

10)  $8 \times 4.8 =$       3 8 4

11)  $2.26 \times 3.231 =$       7 3 0 2 0 6

12)  $7 \times 3.41 =$       2 3 8 7

13)  $6.76 \times 7.693 =$       5 2 0 0 4 6 8

14)  $3.4 \times 4.643 =$       1 5 7 8 6 2

15)  $4.671 \times 7 =$       3 2 6 9 7

16)  $5.1 \times 9 =$       4 5 9

17)  $4.22 \times 1.862 =$       7 8 5 7 6 4

18)  $6 \times 5.71 =$       3 4 2 6

19)  $5.6 \times 8.676 =$       4 8 5 8 5 6



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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. 17.96700

2. 13.48

3. 29.68

4. 14.37016

5. 23.691

6. 34.0

7. 8.833

8. 26.49348

9. 5.91

10. 38.4

11. 7.30206

12. 23.87

13. 52.00468

14. 15.7862

15. 32.697

16. 45.9

17. 7.85764

18. 34.26

19. 48.5856

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