



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)  $7.2 \times 5.749 =$       4 1 3 9 2 8

2)  $5.2 \times 7 =$             3 6 4

3)  $4.87 \times 1.756 =$       8 5 5 1 7 2

4)  $9.173 \times 7 =$          6 4 2 1 1

5)  $7 \times 1.857 =$          1 2 9 9 9

6)  $8.819 \times 9 =$          7 9 3 7 1

7)  $2 \times 7.6 =$             1 5 2

8)  $7 \times 8.8 =$             6 1 6

9)  $2 \times 8.479 =$          1 6 9 5 8

10)  $8.17 \times 8 =$          6 5 3 6

11)  $5.3 \times 3.11 =$         1 6 4 8 3

12)  $6.962 \times 6 =$         4 1 7 7 2

13)  $2.195 \times 2.7 =$       5 9 2 6 5

14)  $7.978 \times 1 =$         7 9 7 8

15)  $7.51 \times 5 =$          3 7 5 5

16)  $7.6 \times 5.32 =$         4 0 4 3 2

17)  $4 \times 2.3 =$             9 2

18)  $4.81 \times 8.4 =$         4 0 4 0 4

19)  $9.39 \times 5.7 =$         5 3 5 2 3



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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. **41.3928**

2. **36.4**

3. **8.55172**

4. **64.211**

5. **12.999**

6. **79.371**

7. **15.2**

8. **61.6**

9. **16.958**

10. **65.36**

11. **16.483**

12. **41.772**

13. **5.9265**

14. **7.978**

15. **37.55**

16. **40.432**

17. **9.2**

18. **40.404**

19. **53.523**

1)  $7.2 \times 5.749 = 41.3928$

2)  $5.2 \times 7 = 36.4$

3)  $4.87 \times 1.756 = 8.55172$

4)  $9.173 \times 7 = 64.211$

5)  $7 \times 1.857 = 12.999$

6)  $8.819 \times 9 = 79.371$

7)  $2 \times 7.6 = 15.2$

8)  $7 \times 8.8 = 61.6$

9)  $2 \times 8.479 = 16.958$

10)  $8.17 \times 8 = 65.36$

11)  $5.3 \times 3.11 = 16.483$

12)  $6.962 \times 6 = 41.772$

13)  $2.195 \times 2.7 = 5.9265$

14)  $7.978 \times 1 = 7.978$

15)  $7.51 \times 5 = 37.55$

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17)  $4 \times 2.3 = 9.2$

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