



**Determine the placement of the decimal in each product.**

$$5.809 \times 7.8 = 45.3102$$

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)  $6 \times 2.1 =$                       1 2 6
- 2)  $3.7 \times 9 =$                         3 3 3
- 3)  $7 \times 7.48 =$                       5 2 3 6
- 4)  $6 \times 8.39 =$                       5 0 3 4
- 5)  $1.3 \times 7.355 =$                     9 5 6 1 5
- 6)  $4.135 \times 5 =$                       2 0 6 7 5
- 7)  $2 \times 3.726 =$                       7 4 5 2
- 8)  $5.12 \times 3.6 =$                       1 8 4 3 2
- 9)  $2 \times 6.361 =$                       1 2 7 2 2
- 10)  $4.9 \times 8.936 =$                     4 3 7 8 6 4
- 11)  $4.7 \times 6 =$                          2 8 2
- 12)  $4.2 \times 2 =$                          8 4
- 13)  $2 \times 6.317 =$                       1 2 6 3 4
- 14)  $2.8 \times 8.11 =$                     2 2 7 0 8
- 15)  $5.1 \times 8.259 =$                     4 2 1 2 0 9
- 16)  $1.2 \times 7.28 =$                      8 7 3 6
- 17)  $7.718 \times 2.9 =$                     2 2 3 8 2 2
- 18)  $8.46 \times 2.838 =$                     2 4 0 0 9 4 8
- 19)  $6 \times 7.93 =$                         4 7 5 8



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**Answers**

1. 12.6

2. 33.3

3. 52.36

4. 50.34

5. 9.5615

6. 20.675

7. 7.452

8. 18.432

9. 12.722

10. 43.7864

11. 28.2

12. 8.4

13. 12.634

14. 22.708

15. 42.1209

16. 8.736

17. 22.3822

18. 24.00948

19. 47.58

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