



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)  $5 \times 5.873 =$             2 9 3 6 5
- 2)  $3.968 \times 8.82 =$         3 4 9 9 7 7 6
- 3)  $4.82 \times 5.9 =$             2 8 4 3 8
- 4)  $5 \times 2.294 =$             1 1 4 7 0
- 5)  $3.1 \times 6 =$                 1 8 6
- 6)  $4.9 \times 8.389 =$         4 1 1 0 6 1
- 7)  $3.567 \times 1 =$             3 5 6 7
- 8)  $5.59 \times 2.236 =$         1 2 4 9 9 2 4
- 9)  $3.76 \times 1.699 =$         6 3 8 8 2 4
- 10)  $7 \times 5.28 =$             3 6 9 6
- 11)  $5.456 \times 3.34 =$         1 8 2 2 3 0 4
- 12)  $3 \times 1.754 =$             5 2 6 2
- 13)  $1.2 \times 3.41 =$             4 0 9 2
- 14)  $5 \times 4.54 =$             2 2 7 0
- 15)  $7.57 \times 7 =$             5 2 9 9
- 16)  $7.2 \times 7.85 =$         5 6 5 2 0
- 17)  $9.29 \times 1.5 =$         1 3 9 3 5
- 18)  $6.3 \times 5.741 =$         3 6 1 6 8 3
- 19)  $9 \times 7.378 =$         6 6 4 0 2



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**Answers**

1. 29.365

2. 34.99776

3. 28.438

4. 11.470

5. 18.6

6. 41.1061

7. 3.567

8. 12.49924

9. 6.38824

10. 36.96

11. 18.22304

12. 5.262

13. 4.092

14. 22.70

15. 52.99

16. 56.520

17. 13.935

18. 36.1683

19. 66.402

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