



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)  $6.2 \times 5 =$             3 1 0
- 2)  $6 \times 9.41 =$             5 6 4 6
- 3)  $7.24 \times 1.987 =$         1 4 3 8 5 8 8
- 4)  $3.65 \times 1.756 =$         6 4 0 9 4 0
- 5)  $3.79 \times 7.545 =$         2 8 5 9 5 5 5
- 6)  $2.1 \times 1.998 =$         4 1 9 5 8
- 7)  $9.71 \times 6.414 =$         6 2 2 7 9 9 4
- 8)  $3.72 \times 9.269 =$         3 4 4 8 0 6 8
- 9)  $2 \times 5.368 =$             1 0 7 3 6
- 10)  $9.981 \times 6.8 =$         6 7 8 7 0 8
- 11)  $3.519 \times 5.5 =$         1 9 3 5 4 5
- 12)  $3.2 \times 3.81 =$         1 2 1 9 2
- 13)  $4.633 \times 5 =$          2 3 1 6 5
- 14)  $1.755 \times 3 =$          5 2 6 5
- 15)  $1.35 \times 4 =$           5 4 0
- 16)  $7.6 \times 1.41 =$         1 0 7 1 6
- 17)  $1 \times 9.32 =$          9 3 2
- 18)  $4 \times 1.363 =$         5 4 5 2
- 19)  $5.8 \times 3 =$           1 7 4



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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. 31.0

2. 56.46

3. 14.38588

4. 6.40940

5. 28.59555

6. 4.1958

7. 62.27994

8. 34.48068

9. 10.736

10. 67.8708

11. 19.3545

12. 12.192

13. 23.165

14. 5.265

15. 5.40

16. 10.716

17. 9.32

18. 5.452

19. 17.4

- 1)  $6.2 \times 5 = 31.0$
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- 3)  $7.24 \times 1.987 = 14.38588$
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- 17)  $1 \times 9.32 = 9.32$
- 18)  $4 \times 1.363 = 5.452$
- 19)  $5.8 \times 3 = 17.4$