



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)  $7.164 \times 1 =$             7 1 6 4
- 2)  $5 \times 8.2 =$                 4 1 0
- 3)  $2 \times 6.569 =$             1 3 1 3 8
- 4)  $1.741 \times 8 =$             1 3 9 2 8
- 5)  $2.1 \times 3 =$                 6 3
- 6)  $7.3 \times 9.743 =$         7 1 1 2 3 9
- 7)  $9.123 \times 8 =$             7 2 9 8 4
- 8)  $1.13 \times 9.166 =$        1 0 3 5 7 5 8
- 9)  $5.1 \times 8.94 =$             4 5 5 9 4
- 10)  $2.35 \times 5.112 =$        1 2 0 1 3 2 0
- 11)  $9.15 \times 4.791 =$        4 3 8 3 7 6 5
- 12)  $7 \times 8.31 =$              5 8 1 7
- 13)  $4.375 \times 9 =$             3 9 3 7 5
- 14)  $3 \times 8.5 =$               2 5 5
- 15)  $5.283 \times 3.9 =$        2 0 6 0 3 7
- 16)  $6 \times 5.98 =$             3 5 8 8
- 17)  $9.5 \times 5 =$              4 7 5
- 18)  $5 \times 4.7 =$              2 3 5
- 19)  $2.69 \times 4.2 =$         1 1 2 9 8



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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. 7.164

2. 41.0

3. 13.138

4. 13.928

5. 6.3

6. 71.1239

7. 72.984

8. 10.35758

9. 45.594

10. 12.01320

11. 43.83765

12. 58.17

13. 39.375

14. 25.5

15. 20.6037

16. 35.88

17. 47.5

18. 23.5

19. 11.298

- 1)  $7.164 \times 1 = 7.164$
- 2)  $5 \times 8.2 = 41.0$
- 3)  $2 \times 6.569 = 13.138$
- 4)  $1.741 \times 8 = 13.928$
- 5)  $2.1 \times 3 = 6.3$
- 6)  $7.3 \times 9.743 = 71.1239$
- 7)  $9.123 \times 8 = 72.984$
- 8)  $1.13 \times 9.166 = 10.35765$
- 9)  $5.1 \times 8.94 = 45.594$
- 10)  $2.35 \times 5.112 = 12.01320$
- 11)  $9.15 \times 4.791 = 43.83765$
- 12)  $7 \times 8.31 = 58.17$
- 13)  $4.375 \times 9 = 39.375$
- 14)  $3 \times 8.5 = 25.5$
- 15)  $5.283 \times 3.9 = 20.6037$
- 16)  $6 \times 5.98 = 35.88$
- 17)  $9.5 \times 5 = 47.5$
- 18)  $5 \times 4.7 = 23.5$
- 19)  $2.69 \times 4.2 = 11.298$