



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 5.809×7.8 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 5.809×7.8 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) $7.51 \times 5 = 37.55$

16) $7.6 \times 5.32 = 40.432$

17) $4 \times 2.3 = 9.2$

18) $4.81 \times 8.4 = 40.404$

19) $9.39 \times 5.7 = 53.523$