



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) $2.131 \times 8.4 =$ 1 7 9 0 0 4

2) $6.21 \times 4 =$ 2 4 8 4

3) $5.573 \times 1.57 =$ 8 7 4 9 6 1

4) $9 \times 4.513 =$ 4 0 6 1 7

5) $5 \times 7.12 =$ 3 5 6 0

6) $9 \times 9.29 =$ 8 3 6 1

7) $6.7 \times 5.848 =$ 3 9 1 8 1 6

8) $8.31 \times 6.1 =$ 5 0 6 9 1

9) $4.64 \times 7.7 =$ 3 5 7 2 8

10) $2.5 \times 2 =$ 5 0

11) $9 \times 3.842 =$ 3 4 5 7 8

12) $2 \times 2.363 =$ 4 7 2 6

13) $7.313 \times 5.3 =$ 3 8 7 5 8 9

14) $6.19 \times 4.467 =$ 2 7 6 5 0 7 3

15) $8.78 \times 4.375 =$ 3 8 4 1 2 5 0

16) $6.931 \times 5.65 =$ 3 9 1 6 0 1 5

17) $8 \times 4.868 =$ 3 8 9 4 4

18) $6 \times 6.867 =$ 4 1 2 0 2

19) $3 \times 6.19 =$ 1 8 5 7



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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. 17.9004

2. 24.84

3. 8.74961

4. 40.617

5. 35.60

6. 83.61

7. 39.1816

8. 50.691

9. 35.728

10. 5.0

11. 34.578

12. 4.726

13. 38.7589

14. 27.65073

15. 38.41250

16. 39.16015

17. 38.944

18. 41.202

19. 18.57

1) $2.131 \times 8.4 = 17.9004$

2) $6.21 \times 4 = 24.84$

3) $5.573 \times 1.57 = 8.74961$

4) $9 \times 4.513 = 40.617$

5) $5 \times 7.12 = 35.60$

6) $9 \times 9.29 = 83.61$

7) $6.7 \times 5.848 = 39.1816$

8) $8.31 \times 6.1 = 50.691$

9) $4.64 \times 7.7 = 35.728$

10) $2.5 \times 2 = 5.0$

11) $9 \times 3.842 = 34.578$

12) $2 \times 2.363 = 4.726$

13) $7.313 \times 5.3 = 38.7589$

14) $6.19 \times 4.467 = 27.65073$

15) $8.78 \times 4.375 = 38.41250$

16) $6.931 \times 5.65 = 39.16015$

17) $8 \times 4.868 = 38.944$

18) $6 \times 6.867 = 41.202$

19) $3 \times 6.19 = 18.57$