

**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) $8.475 \times 2.12 =$ 1 7 9 6 7 0 0

2) $3.37 \times 4 =$ 1 3 4 8

3) $4.24 \times 7 =$ 2 9 6 8

4) $9.38 \times 1.532 =$ 1 4 3 7 0 1 6

5) $4.47 \times 5.3 =$ 2 3 6 9 1

6) $8.5 \times 4 =$ 3 4 0

7) $7.3 \times 1.21 =$ 8 8 3 3

8) $4.44 \times 5.967 =$ 2 6 4 9 3 4 8

9) $1.97 \times 3 =$ 5 9 1

10) $8 \times 4.8 =$ 3 8 4

11) $2.26 \times 3.231 =$ 7 3 0 2 0 6

12) $7 \times 3.41 =$ 2 3 8 7

13) $6.76 \times 7.693 =$ 5 2 0 0 4 6 8

14) $3.4 \times 4.643 =$ 1 5 7 8 6 2

15) $4.671 \times 7 =$ 3 2 6 9 7

16) $5.1 \times 9 =$ 4 5 9

17) $4.22 \times 1.862 =$ 7 8 5 7 6 4

18) $6 \times 5.71 =$ 3 4 2 6

19) $5.6 \times 8.676 =$ 4 8 5 8 5 6

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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. **17.96700**

2. **13.48**

3. **29.68**

4. **14.37016**

5. **23.691**

6. **34.0**

7. **8.833**

8. **26.49348**

9. **5.91**

10. **38.4**

11. **7.30206**

12. **23.87**

13. **52.00468**

14. **15.7862**

15. **32.697**

16. **45.9**

17. **7.85764**

18. **34.26**

19. **48.5856**

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17) $4.22 \times 1.862 =$ 7 .8 5 7 6 4

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19) $5.6 \times 8.676 =$ 4 8 .5 8 5 6