



Placing Decimals with Multiplication

Name: _____

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 5.809×7.8 will be a more than 35 but less than 48.

Answers

- 1) $4 \times 4.2 =$ 1 6 8
- 2) $4.6 \times 3 =$ 1 3 8
- 3) $2.3 \times 9 =$ 2 0 7
- 4) $9 \times 8.1 =$ 7 2 9
- 5) $2.19 \times 4 =$ 8 7 6
- 6) $2 \times 1.174 =$ 2 3 4 8
- 7) $1.422 \times 7.77 =$ 1 1 0 4 8 9 4
- 8) $1 \times 1.894 =$ 1 8 9 4
- 9) $9.316 \times 2.74 =$ 2 5 5 2 5 8 4
- 10) $3.8 \times 2.92 =$ 1 1 0 9 6
- 11) $4 \times 7.45 =$ 2 9 8 0
- 12) $6.87 \times 2.728 =$ 1 8 7 4 1 3 6
- 13) $4.684 \times 5 =$ 2 3 4 2 0
- 14) $7.177 \times 3.6 =$ 2 5 8 3 7 2
- 15) $4 \times 8.69 =$ 3 4 7 6
- 16) $5.475 \times 5 =$ 2 7 3 7 5
- 17) $2.8 \times 4 =$ 1 1 2
- 18) $4.357 \times 7 =$ 3 0 4 9 9
- 19) $1 \times 3.459 =$ 3 4 5 9

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
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11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____

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2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

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$$5.\underline{089} (3) \times 7.\underline{8} (1) = 45.\underline{3102} (4)$$

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

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1. 16.8
2. 13.8
3. 20.7
4. 72.9
5. 8.76
6. 2.348
7. 11.04894
8. 1.894
9. 25.52584
10. 11.096
11. 29.80
12. 18.74136
13. 23.420
14. 25.8372
15. 34.76
16. 27.375
17. 11.2
18. 30.499
19. 3.459