

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

- 1) $4.375 \times 3 =$ 1 3 1 2 5
- 2) $6.748 \times 8.9 =$ 6 0 0 5 7 2
- 3) $2.2 \times 4.99 =$ 1 0 9 7 8
- 4) $1.681 \times 6.1 =$ 1 0 2 5 4 1
- 5) $2.36 \times 8.662 =$ 2 0 4 4 2 3 2
- 6) $7.55 \times 3.6 =$ 2 7 1 8 0
- 7) $2 \times 6.943 =$ 1 3 8 8 6
- 8) $3.13 \times 7 =$ 2 1 9 1
- 9) $4.322 \times 4 =$ 1 7 2 8 8
- 10) $8.4 \times 3.647 =$ 3 0 6 3 4 8
- 11) $9.262 \times 8.9 =$ 8 2 4 3 1 8
- 12) $9.8 \times 8.174 =$ 8 0 1 0 5 2
- 13) $7 \times 9.69 =$ 6 7 8 3
- 14) $7.56 \times 1 =$ 7 5 6
- 15) $6.7 \times 6.22 =$ 4 1 6 7 4
- 16) $5.5 \times 6 =$ 3 3 0
- 17) $4.75 \times 5.9 =$ 2 8 0 2 5
- 18) $1 \times 7.7 =$ 7 7
- 19) $1.276 \times 7.96 =$ 1 0 1 5 6 9 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. **13.125**
2. **60.0572**
3. **10.978**
4. **10.2541**
5. **20.44232**
6. **27.180**
7. **13.886**
8. **21.91**
9. **17.288**
10. **30.6348**
11. **82.4318**
12. **80.1052**
13. **67.83**
14. **7.56**
15. **41.674**
16. **33.0**
17. **28.025**
18. **7.7**
19. **10.15696**

- 1) $4.375 \times 3 =$ 1 3 .1 2 5
- 2) $6.748 \times 8.9 =$ 6 0 .0 5 7 2
- 3) $2.2 \times 4.99 =$ 1 0 .9 7 8
- 4) $1.681 \times 6.1 =$ 1 0 .2 5 4 1
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- 18) $1 \times 7.7 =$ 7 .7
- 19) $1.276 \times 7.96 =$ 1 0 .1 5 6 9 6