

**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) $6.4 \times 6 =$ 3 8 4
- 2) $2.77 \times 6.289 =$ 1 7 4 2 0 5 3
- 3) $1.6 \times 9 =$ 1 4 4
- 4) $7.911 \times 7.5 =$ 5 9 3 3 2 5
- 5) $1.82 \times 8 =$ 1 4 5 6
- 6) $6 \times 6.89 =$ 4 1 3 4
- 7) $3.93 \times 9.7 =$ 3 8 1 2 1
- 8) $1.36 \times 9.462 =$ 1 2 8 6 8 3 2
- 9) $9.31 \times 9.555 =$ 8 8 9 5 7 0 5
- 10) $9.512 \times 8 =$ 7 6 0 9 6
- 11) $8 \times 9.632 =$ 7 7 0 5 6
- 12) $4 \times 8.1 =$ 3 2 4
- 13) $7.9 \times 3 =$ 2 3 7
- 14) $5.9 \times 3.53 =$ 2 0 8 2 7
- 15) $3.8 \times 1.811 =$ 6 8 8 1 8
- 16) $5.69 \times 8.6 =$ 4 8 9 3 4
- 17) $4.67 \times 7.3 =$ 3 4 0 9 1
- 18) $8.829 \times 6 =$ 5 2 9 7 4
- 19) $2.637 \times 3 =$ 7 9 1 1

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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. **38.4**

2. **17.42053**

3. **14.4**

4. **59.3325**

5. **14.56**

6. **41.34**

7. **38.121**

8. **12.86832**

9. **88.95705**

10. **76.096**

11. **77.056**

12. **32.4**

13. **23.7**

14. **20.827**

15. **6.8818**

16. **48.934**

17. **34.091**

18. **52.974**

19. **7.911**

- 1) $6.4 \times 6 = 38.4$
- 2) $2.77 \times 6.289 = 17.42053$
- 3) $1.6 \times 9 = 14.4$
- 4) $7.911 \times 7.5 = 59.3325$
- 5) $1.82 \times 8 = 14.56$
- 6) $6 \times 6.89 = 41.34$
- 7) $3.93 \times 9.7 = 38.121$
- 8) $1.36 \times 9.462 = 12.86832$
- 9) $9.31 \times 9.555 = 88.95705$
- 10) $9.512 \times 8 = 76.096$
- 11) $8 \times 9.632 = 77.056$
- 12) $4 \times 8.1 = 32.4$
- 13) $7.9 \times 3 = 23.7$
- 14) $5.9 \times 3.53 = 20.827$
- 15) $3.8 \times 1.811 = 6.8818$
- 16) $5.69 \times 8.6 = 48.934$
- 17) $4.67 \times 7.3 = 34.091$
- 18) $8.829 \times 6 = 52.974$
- 19) $2.637 \times 3 = 7.911$