

Name: \_\_\_\_\_

## MULTIPLYING DECIMALS BY WHOLE NUMBERS



1. When multiplying decimals, **ignore the decimal point** at first and treat the numbers as whole numbers.
2. Perform the multiplication as you would with whole numbers.
3. **Count the total number of decimal places** in the decimal number(s) in the question.
4. Place the decimal point in the answer to **match the total decimal places in the question**.

**Hint:** This method also works for decimal  $\times$  decimal calculations. If you feel confident, give it a try! For this worksheet, we'll focus on decimal  $\times$  whole number calculations.

Example

$$3.2 \times 6$$

- **Ignore** the decimal point. Calculate  $32 \times 6 = 192$ .
- The number 3.2 has **1 decimal place**.
- Place the decimal point in the answer: **19.2**.

Now try these:

- |                   |                    |                     |                     |                     |
|-------------------|--------------------|---------------------|---------------------|---------------------|
| 1. $2.4 \times 5$ | 6. $3.5 \times 9$  | 11. $12.3 \times 4$ | 16. $23.5 \times 6$ | 21. $11.6 \times 4$ |
| 2. $6.7 \times 4$ | 7. $4.8 \times 6$  | 12. $10.8 \times 7$ | 17. $19.4 \times 7$ | 22. $13.2 \times 7$ |
| 3. $8.3 \times 7$ | 8. $9.6 \times 2$  | 13. $14.6 \times 2$ | 18. $15.2 \times 8$ | 23. $16.8 \times 5$ |
| 4. $1.9 \times 6$ | 9. $7.4 \times 5$  | 14. $9.7 \times 9$  | 19. $26.3 \times 5$ | 24. $21.4 \times 3$ |
| 5. $5.2 \times 3$ | 10. $2.9 \times 8$ | 15. $18.5 \times 3$ | 20. $22.8 \times 4$ | 25. $19.9 \times 8$ |