# Multiply Decimals — Homework

*Lesson 2-12 • Standard 6.NOS.3*

**Name:** _____ **Period:** _____ **Date:** _____

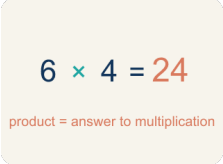
## Today's Goals

Content: I can multiply decimals and place the decimal point correctly in the product.
Language: I can explain my work using the words product, decimal point, estimate, and decimal places.

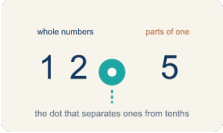
## Key Words



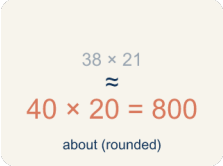

**Multiply Decimals (Multiplicar decimales)** — Find the product of decimals, then use place value to place the decimal point.




**Product (Producto)** — The answer when you multiply.



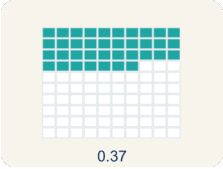

**Decimal point (Punto decimal)** — The dot that splits the whole number from the part after it.




**Estimate (Estimar)** — A close answer you get by rounding first.




**Place value (Valor posicional)** — What a digit is worth based on where it sits in a number.




**Decimal places (Cifras decimales)** — How many digits come after the decimal point.

## Practice

*Show your work. Use the blank space under each problem.*

**1. What is 3.4 × 2.6?**

A. 0.884
B. 8.48
C. 8.84
D. 88.4

**2. What is 0.7 × 1.5?**

A. 0.105
B. 1.05
C. 1.50
D. 10.5

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**3. Match each expression to its product.**

| Item | Answer choices |
|---|---|
| ____ 2.5 × 4 | F. 9 |
| ____ 1.2 × 0.3 | E. 0.48 |
| ____ 3.6 × 0.5 | D. 12 |
| ____ 4.8 × 2.5 | C. 1.8 |
| ____ 0.6 × 0.8 | B. 0.36 |
| ____ 7.5 × 1.2 | A. 10 |

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**4. Complete each decimal multiplication.**

| Problem | Product |
|---|---|
| 6.4 × 3.5 | |
| 0.25 × 0.4 | |
| 8.3 × 2.1 | |
| 12.5 × 0.8 | |

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**5. A car travels 55.5 miles per hour for 2.4 hours. How far does it go?**

A. 13.32 miles
B. 57.9 miles
C. 133.2 miles
D. 1,332 miles

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**6. Sort: when you multiply two decimals, is the product GREATER than both factors, or LESS than at least one factor?**

*Groups: Product Greater Than Both Factors | Product Less Than at Least One Factor*

- 3.5 × 4 → _____
- 6 × 2.5 → _____
- 10 × 1.5 → _____
- 0.5 × 8 → _____
- 0.3 × 0.4 → _____
- 0.7 × 6 → _____

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**7. Spot the Common Mistake — Placing the Decimal Point**

Step 1 (Problem): 1.5 × 2.4
Step 2 (Multiply as whole numbers): 15 × 24 = 360
Step 3 (Count decimal places): 1.5 has 1 decimal place and 2.4 has 1 decimal place → 2 total
Step 4 (Place the decimal point): Move the point 2 places in 360 to get 0.36

*Which step has the mistake? Explain and fix it:*

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**8. A customer orders 3 taco baskets at $4.25 each. What is the total before tax?**

A. $1.275
B. $12.15

C. $12.75
D. $127.50

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**9. Each lemonade uses 0.6 of a cup of sugar, and sugar costs $0.40 per cup. How much sugar cost is in one lemonade? (0.6 × 0.4)**

A. $0.024
B. $0.24
C. $2.40
D. $24.00

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**10. The truck sells 2.5 pounds of fries, and each pound earns $1.20 in profit. What is the total profit? (2.5 × 1.2)**

A. $0.30
B. $3.00
C. $3.70
D. $30.00

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