Multiply Decimals

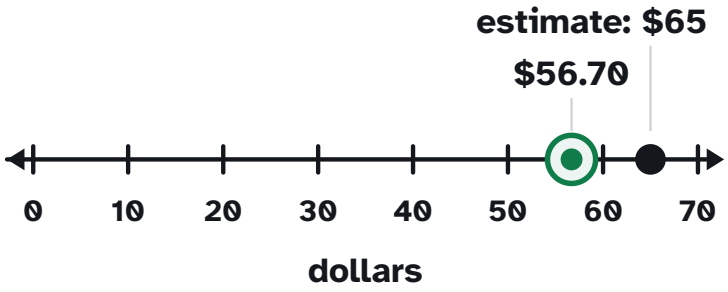
Multiply decimals and place the decimal point correctly.

Name _____ **Date** _____

Tonight's spark

A sign says rope costs $12.60 per meter. Maya buys 4.5 meters. The screen shows $567.00. Does that look right?

Estimate first: 5 meters at about $13 each. Is that near $567?



Our class model: count the decimal places

Try it

Work it out on paper. Write one answer on each line.

1 **What is 0.3 × 0.2?**

A. 0.06 **B.** 0.6 **C.** 0.5 **D.** 6

My answer _____

2 **How many decimal places will the product of 2.5 × 0.04 have?**

A. 2 **B.** 3 **C.** 1 **D.** 5

My answer _____

3 **What is 2.5 × 6?**

A. 1.5 **B.** 150 **C.** 15 **D.** 8.5

My answer _____

4 **What is 0.8 × 0.9?**

A. 7.2 **B.** 0.72 **C.** 0.072 **D.** 1.7

My answer _____

5 **What is 3.2 × 1.5?**

A. 48 **B.** 0.48 **C.** 4.7 **D.** 4.8

My answer _____

6 **Notebooks cost $2.40 each. What is the cost of 6 notebooks?**

A. $14.40 **B.** $144 **C.** $1.44 **D.** $8.40

My answer _____

Talk about it

How many decimal places does 12.60 have? And 4.5?

Home mission

Find a price per pound on a food label. Pick a weight like 2.5 pounds. Can your student estimate the total out loud, then say how many decimal places the exact answer needs?

If we get stuck, ask

- First multiply like whole numbers. What do you get?
- How many decimal places do both factors have together?
- Let's estimate with round numbers. Does the point look right?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/2-12/homework.html

How did it feel? (optional)

Tricky Getting there Got it