

Lesson 2-11

Reinforce Understanding

Add and Subtract Decimals

I can add and subtract decimals by lining up the place values and the decimal points.

Worked model

The tank has 128.75 liters. A shuttle adds 46.8 liters. I line up the decimal points and annex a zero: 46.80.

1. I add: $128.75 + 46.80 = 175.55$ liters.
2. Now the thrusters use 19.35 liters, so I subtract: $175.55 - 19.35 = 156.20$.
3. The final fuel level is 156.20 liters. I check with estimation: about $130 + 47 - 19 = 158$, which is close, so my answer is reasonable.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Show $6.5 - 2.8$ and $3.25 + 1.5$ on the number line

Mark and label each value on the number line.

Show your thinking

2. What is $14.6 + 3.85$?

Circle the letter of the best answer. Show how you know.

- A. 17.45
- B. 18.35
- C. 18.45
- D. 18.55

3. What is $9.05 + 4.7$?

Circle the letter of the best answer. Show how you know.

- A. 13.12
- B. 13.57
- C. 13.75
- D. 14.75