

Lesson 2-11 • Group 1

Reinforce Understanding

2.11 Small Group • Group 1

With my small group, I can add and subtract decimals by lining up the place values and the decimal points — one step at a time, with support.

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. Compute each decimal sum or difference.

Complete the table. Show how you found each value.

Problem	Answer
$5.63 + 2.7$	
$12.4 - 8.56$	
$9.08 + 4.925$	
$25.1 - 13.47$	
$7.006 + 3.94$	

Show your work

3. 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