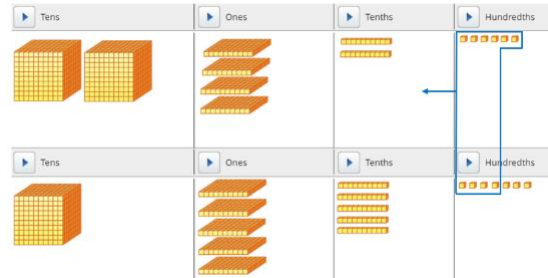# Activity 26 Assessment
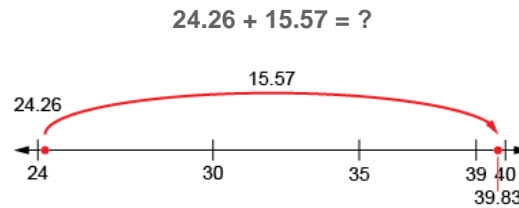## Estimating Sums and Differences with Decimals

Conceptual Meaning of Addition and Subtraction of Decimals

Recognizes addition and subtraction situations and models concretely to add or subtract to hundredths

$$24.26 + 15.57 = 39.83$$

Models and symbolizes ways to solve problems using an open number line.

$$24.26 + 15.57 = ?$$

Uses an understanding of place value to add or subtract decimals with hundredths (decomposes both numbers).

$$24.26 + 15.57 = ?$$

24 + 15 = 39 (whole numbers)
0.26 + 0.57 = 0.83 (decimals)
39 + 0.83 = 39.83

"I decomposed both numbers, added the whole numbers, then added the hundredths."

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Conceptual Meaning of Addition and Subtraction of Decimals (cont'd)

Uses an understanding of place value to decompose one number.	Uses estimation and mental math strategies to check reasonableness of solutions.	Solves addition and subtraction problems flexibly, using a variety of strategies.
24.26 + 15.57 = ? 15.57 = 15 + 0.57 24.26 + 15 = 39.26 39.26 + 0.57 = 39.83 "I used place value to add on the second number."	**4.497 + 7.299 + 3.512 =?** "I used compatible numbers to estimate. 4.497 is close to 5, 7.299 is close to 7, and 3.512 is close to 3; 7 + 3 + 5 = 15. I calculated 15.308, so my answer is reasonable."	36.462 − 25.108 = ? 36.462 − 25 = 11.462 11.462 − 0.108 = 11.354 <table><tr><td>Tens</td><td>Ones</td><td>Tenths</td><td>Hundredths</td><td>Thousandths</td></tr><tr><td>3</td><td>6.</td><td>4</td><td>⁵6̸</td><td>¹2</td></tr><tr><td>2</td><td>5.</td><td>1</td><td>0</td><td>8</td></tr><tr><td>1</td><td>1.</td><td>3</td><td>5</td><td>4</td></tr></table>

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