



# Estimate and Add

Let's add decimals and decide if our answers are reasonable.

## Warm-up

### Number Talk: 99 Hundredths

Find the value of each expression mentally.

- $1.00 + 0.99 + 0.02$

- $1.99 + 0.02$

- $1.99 + 0.03$

- $1.99 + 0.13$



## Activity 1

### Use the Standard Algorithm to Add Decimals

1. Find the value of  $5.61 + 2.53$ . Explain or show your reasoning.
2. Han uses the standard algorithm to add decimals. Describe what he does in each step.

<u>Step 1</u>	<u>Step 2</u>	<u>Step 3</u>
$\begin{array}{r} 5.61 \\ + 2.53 \\ \hline .4 \end{array}$	$\begin{array}{r} 5.61 \\ + 2.53 \\ \hline .14 \end{array}$	$\begin{array}{r} 5.61 \\ + 2.53 \\ \hline 8.14 \end{array}$

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3. Use the standard algorithm to find the value of  $6.62 + 3.74$ .

## Activity 2

### Estimate and Find the Value

1. Which whole number is the sum  $2.82 + 5.2$  closest to? Explain or show your reasoning.
2. What is the value of  $2.82 + 5.2$ ? Explain or show your reasoning. Use the standard algorithm if it is helpful.
3. Which whole number is the sum  $6.8 + 4.97$  closest to? Explain or show your reasoning.
4. What is the value of  $6.8 + 4.97$ ? Explain or show your reasoning. Use the standard algorithm if it is helpful.