



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

- Find the value of $5.61 + 2.53$. Explain or show your reasoning.
- 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> |
|--|---|--|
| $\begin{array}{r} 5.61 \\ + 2.53 \\ \hline .4 \end{array}$ | $\begin{array}{r} 5.61 \\ + 2.53 \\ \hline .14 \end{array}$ | $\begin{array}{r} 5.61 \\ + 2.53 \\ \hline 8.14 \end{array}$ |

- 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.