



Analyze Addition Mistakes

Let's use place value strategies to add decimals.

Warm-up

Estimation Exploration: Many Places

$$1,987.89 + 658.54$$

Record an estimate that is:

too low	about right	too high

Activity 1

Compare Calculations

1. Find the value of $621.45 + 72.3$. Explain or show your reasoning.
2. Elena and Andre try to find the value of $621.45 + 72.3$. Who do you agree with? Explain or show your reasoning.

Elena

$$\begin{array}{r} 621.45 \\ + 72.3 \\ \hline 628.68 \end{array}$$

my answer makes sense
because it is more than 621.

Andre

$$\begin{array}{r} 621.45 \\ + 72.30 \\ \hline 693.75 \end{array}$$

My answer makes sense
because $620 + 70 = 690$ and then
I still have to add a little bit more
than 3 to 690.

Activity 2

Same Digits, Different Sums

Find the value of each expression. Explain or show your reasoning.

1. $2.63 + 7.74$

2. $26.3 + 774$

3. $46.3 + 31.42$

4. $463 + 3.14$

