Unit 5 Lesson 15: Estimate and Subtract

WU Number Talk: One and Five Tenths (Warm up)

Student Task Statement

Find the value of each expression mentally.

- $1.50 - 0.51$
- $1.50 - 0.52$
- $1.50 - 0.60$
- $1.50 - 0.62$

1 Revisit the Algorithm

Student Task Statement

1. Find the value of $8.53 - 2.7$. Show your reasoning.

2. Han used the standard algorithm to subtract decimals. This is Han's work. Describe what Han did in each step.

3. Use the standard algorithm to find the value of $6.62 - 3.71$.

2 Estimate and Subtract
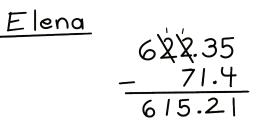
Student Task Statement

1. Which whole number is the difference $15.27 - 4.3$ closest to? Explain or show your reasoning.

2. What is the value of 15.27 − 4.3? Explain or show your reasoning.

3. Which whole number is the difference 16.14 − 9.8 closest to? Explain or show your reasoning.

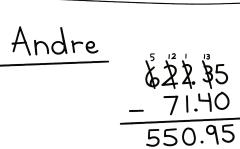4. What is the value of 16.14 − 9.8? Explain or show your reasoning.

3 Compare Calculations to Evaluate a Difference (Optional)

Student Task Statement

1. Find the value of 622.35 − 71.4. Explain or show your reasoning.

2. Elena and Andre found the value of 622.35 − 71.4. Who do you agree with? Explain or show your reasoning.

Elena

$$
\begin{array}{r}
6\overset{1}{2}\overset{1}{2}.35 \\
-\quad 71.4 \\
\hline
615.21
\end{array}
$$

my answer makes sense because 615.21 is less than 622.35.

Andre

$$
\begin{array}{r}
\overset{5}{6}\overset{12}{2}\overset{1}{2}.\overset{13}{3}5 \\
-\quad 71.40 \\
\hline
550.95
\end{array}
$$

My answer makes sense because 620 − 70 = 550. So my answer should be right around 550.