Unit 5, Lesson 16

Addition and Subtraction

Let's use place value strategies to add and subtract decimals.

Warm-up

Number Talk: Subtracting Decimals

Find the value of each expression mentally.

- $2.57 - 2.55$

- $2.57 - 2.49$

- $2.57 - 0.99$

- $2.57 - 0.59$

Activity 1

What's the Difference?

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

1. $7.35 - 2.6$

2. $100.8 - 6.03$

3. $26.5 - 13.62$

4. $465 - 463.14$

Activity 2

Sums and Differences

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

1. $36.51 - 4.3$

2. $100 + 31.05$

3. $100 - 31.05$

4. $266.43 + 75.9$

Activity 3

Subtraction with Larger Numbers

Find the value of each expression.

1. $43.14 - 18.6$

2. $73.3 - 52.99$

3. $128.44 - 62.57$

4. $261.25 - 260.7$

Section B Summary

We learned that we can use the same strategies and algorithms for adding and subtracting whole numbers to add and subtract decimals.

We learned that it is helpful to estimate a sum before calculating it. For example, this sum will be close to $620 + 70$ or 690.

$$\begin{array}{r} 6\ 2\ 1.\ 4\ 5 \\ +\quad 7\ 2.\ 3\ 0 \\ \hline 6\ 9\ 3.\ 7\ 5 \end{array}$$

We learned to align the place values when adding and subtracting.

$$\begin{array}{r} {\scriptstyle 5\ 12\ 1\ 13} \\ \cancel{6}\ \cancel{2}\ \cancel{1}.\ \cancel{3}\ 5 \\ -\quad 7\ 1.\ 4\ 0 \\ \hline 5\ 5\ 0.\ 9\ 5 \end{array}$$

We estimated that the value of the difference will be about $620 - 70$ or 550.