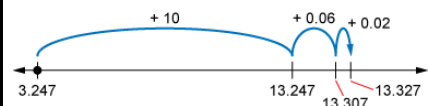


Lesson 17 Assessment

Adding and Subtracting Decimals

Adding and Subtracting Decimals

Models and symbolizes ways to solve problems.



$$3.247 + 10.08 = ?$$

"I decomposed 10.08 and used a number line to add.

$$3.247 + 10.08 = 13.327."$$

Uses an understanding of place value to add or subtract decimals.

$$43.6 - 1.345 = ?$$

"First, I subtracted the whole number, then I subtracted the parts.

$$43 - 1 = 42$$

600 thousandths - 345 thousandths = 255 thousandths.

$$\text{So, } 43.6 - 1.345 = 42.255."$$

Uses estimation and mental math strategies to check reasonableness of solutions.

$$137.008 + 1.5 + 4.23 = 142.738$$

"I used rounding to check.

137.008 is close to 137.

1.5 is close to 2.

4.23 is close to 4.

$$137 + 2 + 4 = 143$$

Since 142.738 is close to 143, my solution is reasonable."

Solves addition and subtraction problems flexibly, using a variety of strategies.

Ricardo has room for 5 kg of supplies in his suitcase. Ricardo puts in a box of crayons (1.2 kg), a box of toothbrushes (1.25 kg), and a backpack (0.78 kg). How much room does Ricardo have left?

$$\begin{aligned} 5 \text{ kg} - (1.2 \text{ kg} + 1.25 \text{ kg} + 0.78 \text{ kg}) \\ = 5 \text{ kg} - 3.23 \text{ kg} \\ = 1.77 \text{ kg} \end{aligned}$$

"Ricardo has 1.77 kg of room left."

Observations/Documentation