

Lesson 16: Subtract Within 1,000

- Let's subtract in a way that makes sense.

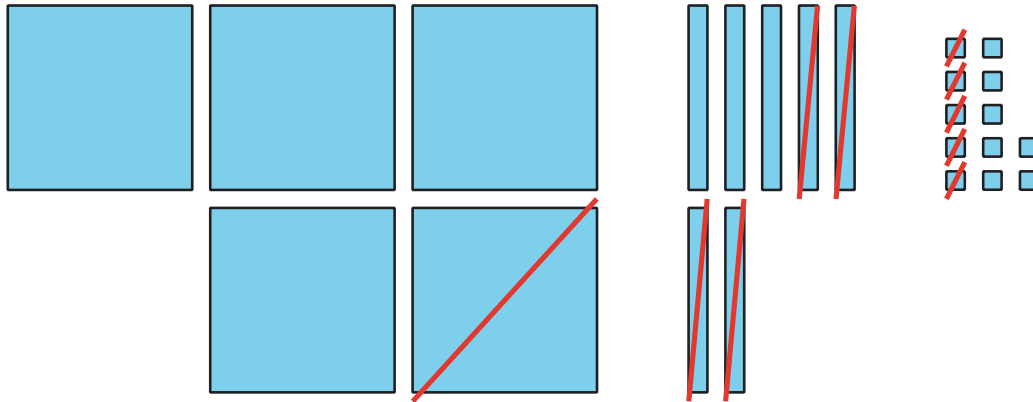
Warm-up: True or False: Equations Based on Place Value

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $2 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} = 2 \text{ hundreds} + 3 \text{ tens} + 14 \text{ ones}$
- $2 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} = 1 \text{ hundred} + 13 \text{ tens} + 4 \text{ ones}$
- $1 \text{ hundred} + 13 \text{ tens} + 4 \text{ ones} = 1 \text{ hundred} + 12 \text{ tens} + 14 \text{ ones}$

16.1: Jada's Thinking

Lin's diagram:



Jada's equations:

$$500 - 100 =$$

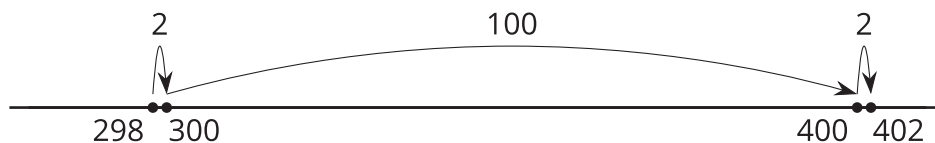
$$\begin{array}{r} 70 \\ \cancel{80} - 40 = \end{array}$$

$$\begin{array}{r} 12 \\ \cancel{1} - 5 = \end{array}$$

1. a. Discuss how Jada's equations match Lin's diagram.
- b. Finish Jada's work to find the value of $582 - 145$.

2. Jada is thinking about how to find the value of $402 - 298$.

- a. Jada says she knows a way to count on to find the difference. She showed her thinking using a number line.



Explain Jada's thinking.

- b. Jada says you can't decompose to find the value of $402 - 298$ because there aren't any tens. Do you agree with Jada? Use base-ten blocks, diagrams, or other representations to show your thinking.

16.2: Find It Your Way

Find the value of each expression in a way that makes sense to you.
Show your thinking. Organize it so it can be followed by others.

1. $535 - 214$

2. $700 - 589$

3. $683 - 398$

$$4. 918 - 608$$

$$5. 735 - 457$$

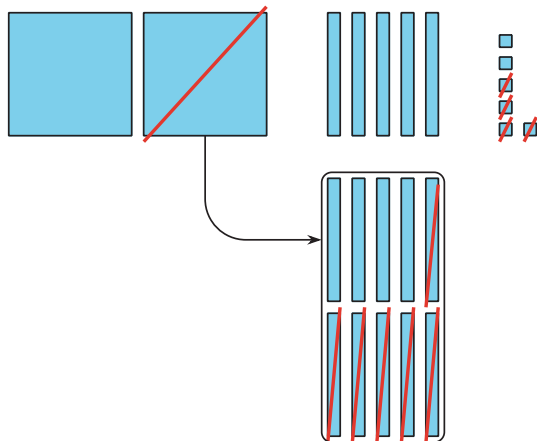
$$6. 602 - 487$$

Section Summary

Section Summary

In this section of the unit, we learned many different ways to subtract three-digit numbers using what we know about place value. We used base-ten blocks, diagrams, and equations to show subtracting hundreds from hundreds, tens from tens, and ones from ones. We learned that when you subtract by place, you may decompose a hundred, a ten, or both. We learned that it is helpful to look closely at the numbers in an expression to plan how to decompose or to choose a method that helps us use friendly numbers or the relationship between addition and subtraction.

Base-ten Diagram for $256 - 64$



Unit Form for $726 - 558$

7	2	6	
⁶ hundreds	2 tens	¹⁶ 6 ones	
-	5 hundreds	5 tens	8 ones
1	6	8	168
hundreds	tens	ones	