Unit 7 Lesson 4: Add and Subtract Three-digit Numbers in Different Ways

WU Number Talk: Count Back by Place (Warm up)

Student Task Statement

Find the value of each expression mentally.
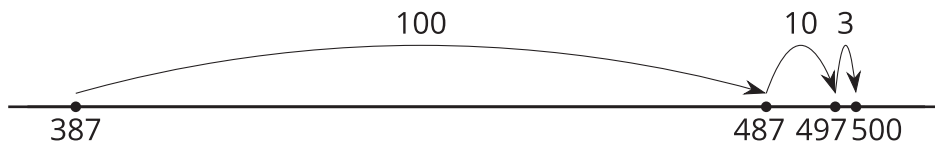
- $586 - 100$

- $486 - 20$

- $457 - 200$

- $257 - 30$

1 Zero Tens and Zero Ones

Student Task Statement

Mai and Lin were asked to find the value of $500 - 387$.

Here is their work.

Mai's Work

$387 + ? = 500$

$387 + 100 = 487$

$487 + 10 = 497$

$497 + 3 = 500$

$100 + 10 + 3 = 113$

Lin's Work

$387 = 300 + 80 + 7$

$500 - 300 = 200$

$200 - 80 = 120$

$120 - 7 = 113$

Find the value of each expression.

Show your thinking.

1. Try Mai's way to find the value of $600 - 476$.

   _____

2. Try Lin's way to find the value of $400 - 134$.

2 Add or Subtract with Expanded Form

Student Task Statement

1. Andre and Diego showed their thinking with equations to find the value of $427 + 351$.

Andre's Work	Diego's Work
$7 + 1 = 8$	$400 + 20 + 7$
$20 + 50 = 70$	$300 + 50 + 1$
$400 + 300 = 700$	$700 + 70 + 8 = 778$
$700 + 70 + 8 = 778$	

   What is the same or different about their work?

   Discuss with your partner.

2. Try Andre's way to find the value of $725 + 243$.

3. Try Diego's way to find the value of $863 - 432$.

4. Choose your own way to find the value of $163 + 326$. Show your thinking.

5. Choose your own way to find the value of $692 - 571$. Show your thinking.