Add within 1,000

Let's find sums within 1,000 and explain our strategies.

Warm-up

Number Talk: Use Sums to Find Sums

Find the value of each expression mentally.

- $199 + 23$
- $198 + 24$
- $297 + 25$
- $395 + 27$

Activity 1

Sort 3-digit Sums

1. Sort the cards into 2 groups with your partner.
    - Make a group of expressions that you agree is less challenging to find.
    - Make another group of expressions that you agree is more challenging to find.
    - Keep any expressions together that you and your partner disagree on.
2. Choose an expression that you feel is less challenging. Find the value of the sum. Show your thinking, using drawings, numbers, or words.

3. Choose an expression that you feel is more challenging. Find the value of the sum. Show your thinking, using drawings, numbers, or words.

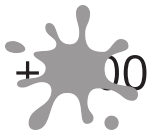
4. Discuss 1 card you and your partner disagree on. Do you feel the expression is more challenging or less challenging? Explain your reasoning.



Activity 2

Find the Unknown Value

Oh no! Diego spilled paint on his paper. He can't see all the digits in each of his equations.



900 + ▢00 = 1,000

1. Find the 3-digit number that makes the equation true. Show your thinking, using drawings, numbers, or words.



5▢0 + 430 = 1,000

2. Find the 3-digit number that makes the equation true. Show your thinking, using drawings, numbers, or words.



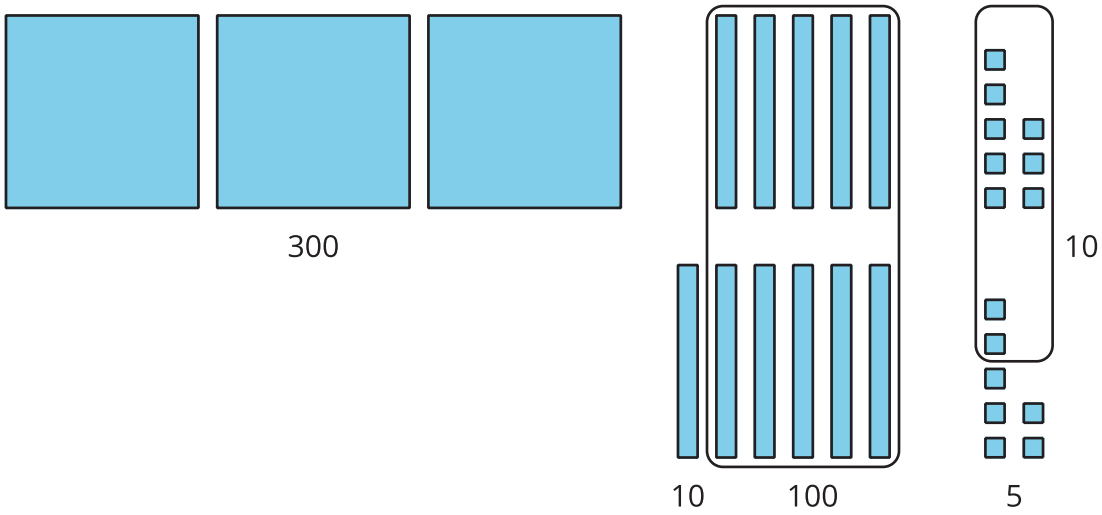
▢85 + 615 = 1,000

Section B Summary

We used place value to add 3-digit numbers. We added hundreds to hundreds, tens to tens, and ones to ones, with base-ten blocks, diagrams, and equations. We learned that we may need to compose a ten, a hundred, or both when adding by place value.

Base-Ten Diagram

$358 + 67$



Unit Form and Equations

$358 + 67$

3 hundreds + 5 tens + 8 ones
6 tens + 7 ones
3 hundreds + 11 tens + 15 ones
11 tens = 110
15 ones = 15

$300 + 110 + 15 = 425$

Adding by Place

$267 + 338$

$200 + 300 = 500$
$60 + 30 = 90$
$7 + 8 = 15$
$500 + 90 + 15$
$500 + 90 + 10 + 5$
$500 + 100 + 5 = 605$