Add It Up

Let's add 2-digit numbers and write equations.

Warm-up

Number Talk: Make a Ten

Find the value of each expression mentally.

- $7 + 3$
- $37 + 3$
- $7 + 8$
- $57 + 8$

Activity 1

Add 2-digit Numbers Within 100

Find the value of each sum.
Show your thinking using drawings, numbers, or words.
Write equations to represent your thinking.

1. $48 + 15$

2. $57 + 36$

Activity 2

Reason about Addition

37 22 18 56 41

Write an addition expression with 2 numbers to make each statement true. Use only the numbers above.

1. This sum has the smallest possible value.

   Expression:_____

2. This sum has the largest possible value.

   Expression:_____

3. You don't need to make a new ten to find the value of this sum.

   Expression:_____

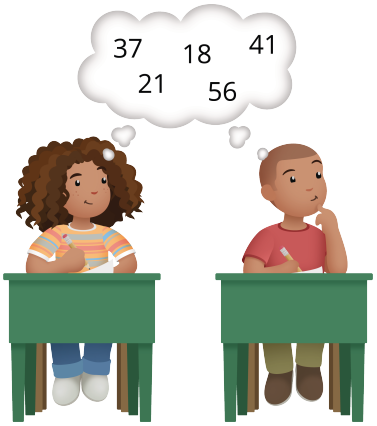
4. If you make a new ten to find the value of this sum, you will still have some more ones.

   Expression:_____

5. If you make a new ten to find the value of this sum, you will have no more ones.

   Expression:_____

If you have time: Choose 2 numbers from above.
Write an addition expression where the value is closest to 95.
How do you know the value is closest to 95?



Activity 3

Ways We Volunteer

1. Mai's school has a book drive.
   They collect 48 children's books.
   They collect 27 adult books.
   How many books do they collect all together?
   Show your thinking using drawings, numbers, or words.

2. The community soup kitchen has lots of volunteers who help serve food.
   They have 35 volunteers during the week.
   They have 56 volunteers on the weekend.
   How many volunteers do they have all together?
   Show your thinking using drawings, numbers, or words.

3. Elena and her mother plant a community garden.
   They plant 18 strawberry plants.
   They plant 24 cucumber plants.
   How many plants did they plant all together?
   Show your thinking using drawings, numbers, or words.

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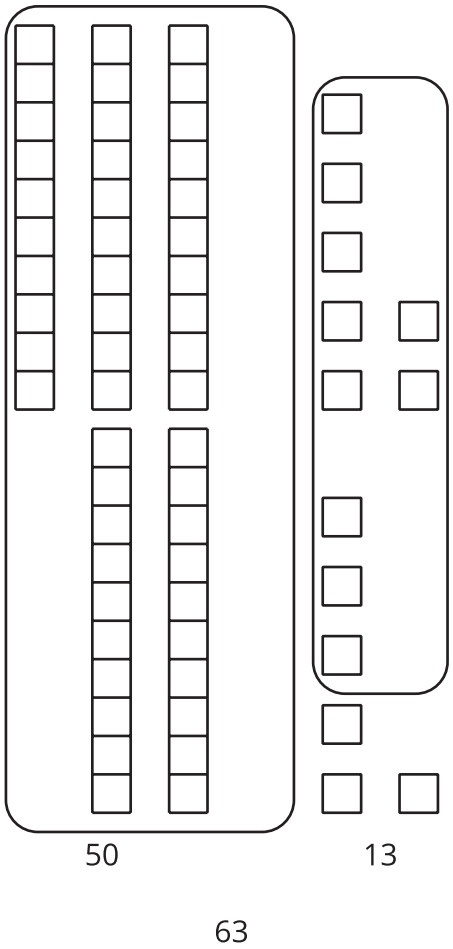
Section C Summary

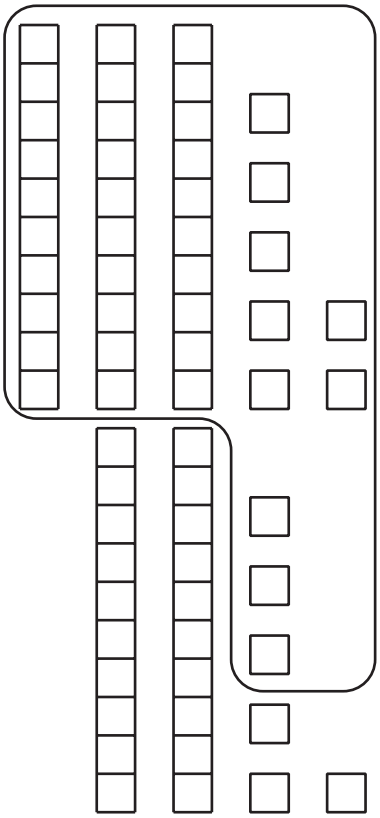
We learned to add any 2 two-digit numbers within 100 and write equations to represent our methods.

We added tens and tens and ones and ones.



$$37 + 26$$
$$30 + 20 = 50$$
$$7 + 6 = 13$$
$$50 + 13 = 63$$

We added ones first to make a new ten.



$37 + 26$

$37 + 3 + 3 = 43$

$43 + 20 = 63$