# Add It, Explain It

Let's add numbers and write equations to show our work.

Warm-up

## Number Talk: Add More Tens

Find the value of each expression mentally.

- $13 + 21$
- $13 + 31$
- $23 + 31$
- $33 + 41$

Activity 1

## Lin and Han Add

Lin and Han are both finding the value of $32 + 54$.
Look at how each student started.
What should they do next to find the value?
Write equations to represent your thinking.

1. Lin started by putting 3 tens and 5 tens together.
   She recorded her first step like this: $30 + 50 = 80$.

2. Han started with 54 and added 3 tens.
   He recorded his first step like this: $54 + 30 = 84$.

Activity 2

## I Heard You Say

Find the value of $23 + 74$ using Lin's or Han's method. Show your thinking using equations.

$23 + 74$

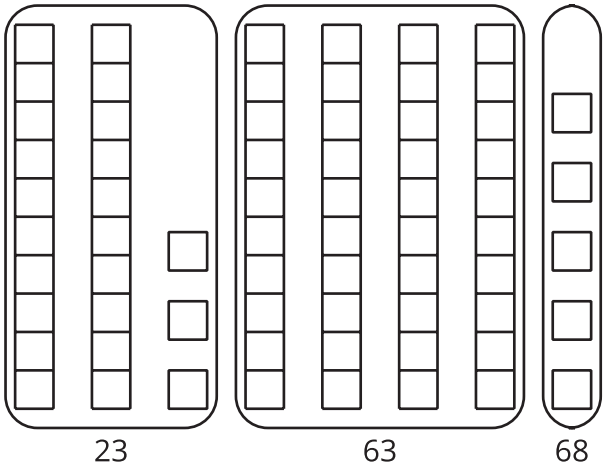
## Section A Summary

We added numbers within 100.

We learned different methods to add by thinking about tens and ones and record our thinking with equations.

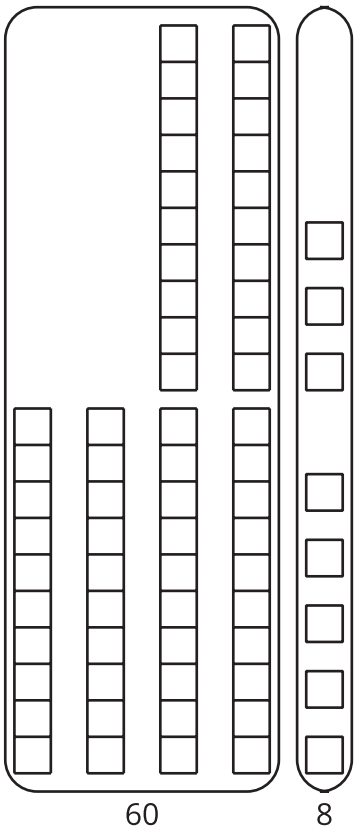
$$23 + 45$$

Add on tens then ones:




$$23 + 40 = 63$$
$$63 + 5 = 68$$

Add tens and tens and ones and ones:




$$20 + 40 = 60$$
$$3 + 5 = 8$$
$$60 + 8 = 68$$