



**THIRD SPACE**  
LEARNING

# Ready-to-go Lesson Slides

## Year 2

Place Value  
Lesson 5

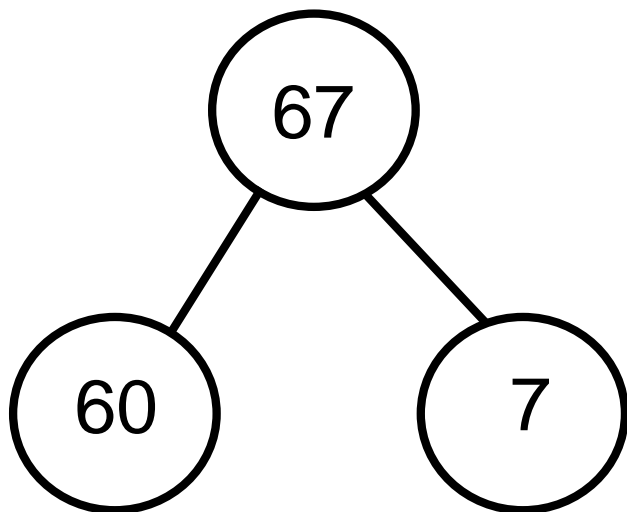
Aut1

## To represent numbers in place value charts

- I can present numbers in a place value chart
- I can use objects, pictures and numerals in a place value chart
- I can reason and explain using place value charts

### Starter:

Charlie has drawn a part-whole model. He has written four matching sentences. Is he right? How would you help him?



$$60 + 7 = 67$$

$$7 + 60 = 67$$

$$67 = 60 + 7$$

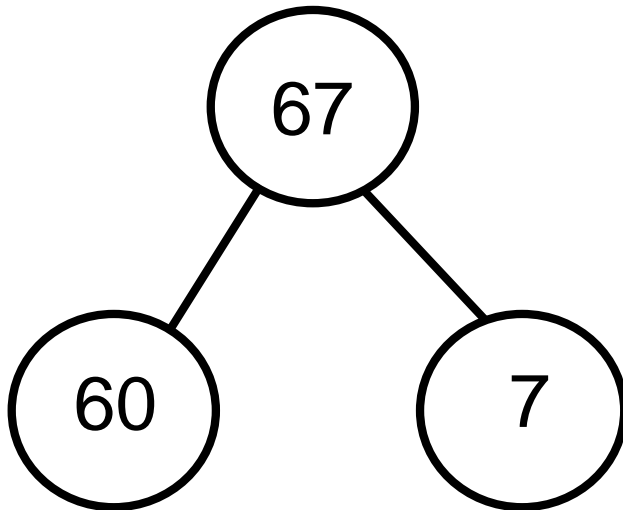
$$7 = 60 + 67$$

## To represent numbers in place value charts

- I can present numbers in a place value chart
- I can use objects, pictures and numerals in a place value chart
- I can reason and explain using place value charts

### Starter:

Charlie has drawn a part-whole model. He has written four matching sentences. Is he right? How would you help him?



This part-whole model is correct.

$$60 + 7 = 67$$

$$7 + 60 = 67$$

$$67 = 60 + 7$$

$$7 = 60 + 67$$

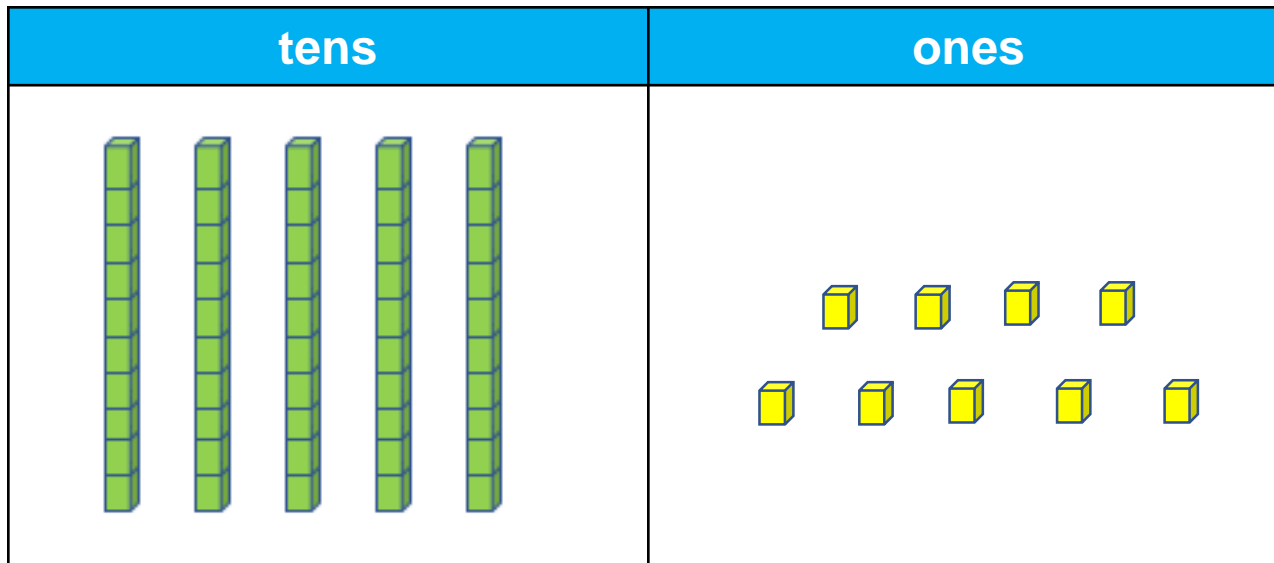
Three of Charlie's number sentences are correct, but he has made a mistake on the last one. It should be  $67 = 7 + 60$ .

# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented? How do you know?

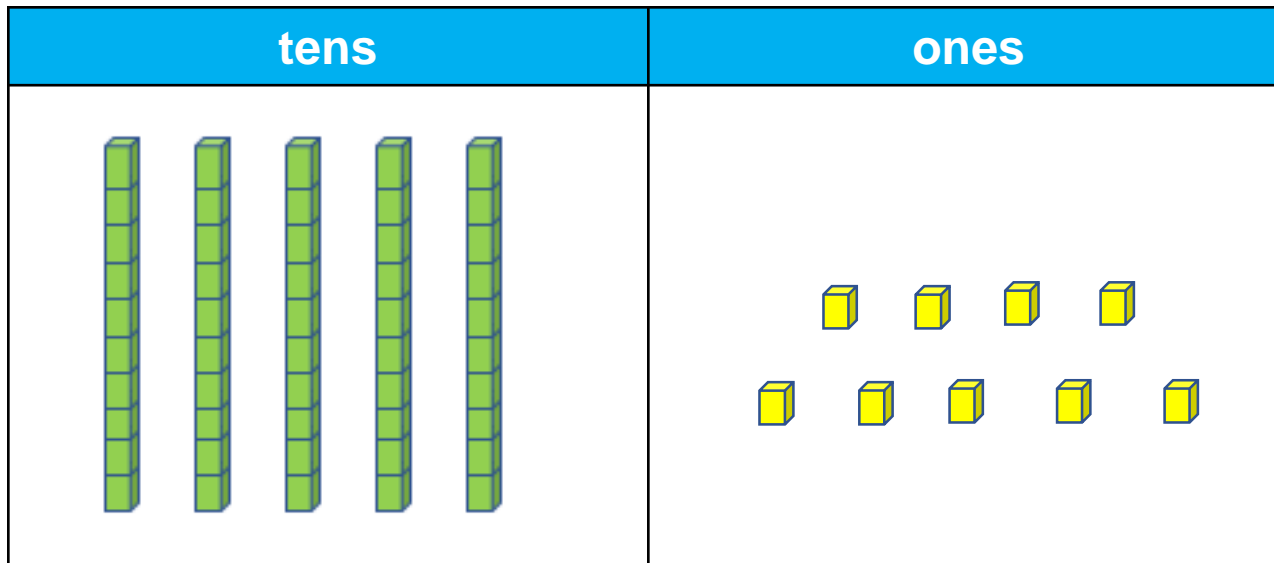


# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented? How do you know?



50  
5 tens

9  
9 ones

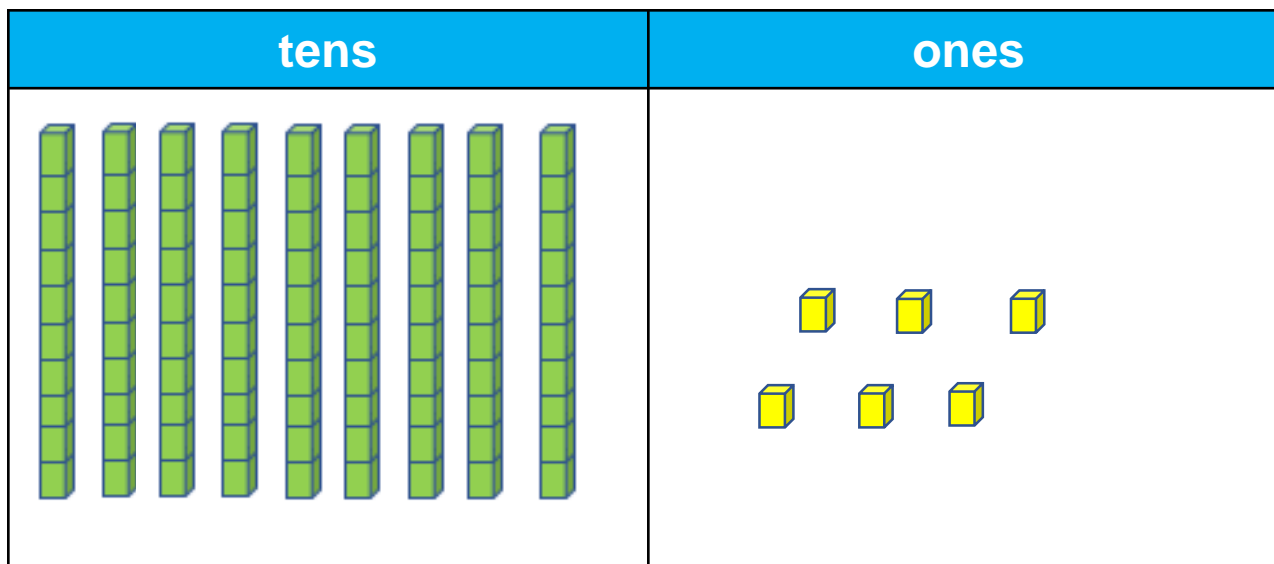
The number represented  
here is 59.  
 $5 \text{ tens} + 9 \text{ ones} = 59$

# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented? How do you know?

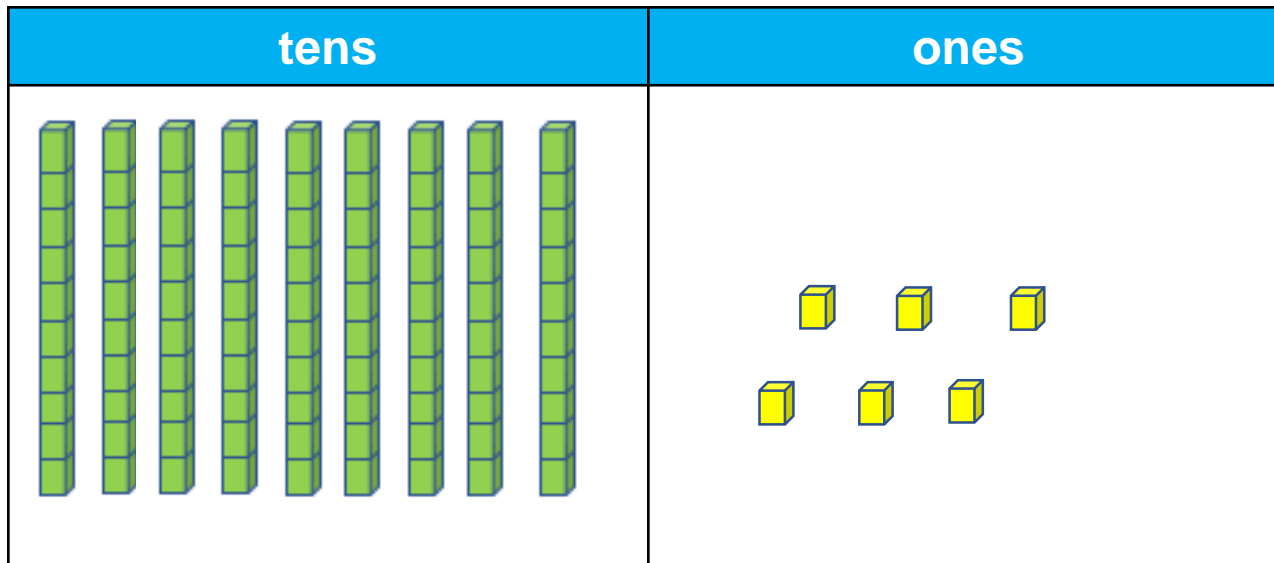


# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented? How do you know?



90  
9 tens

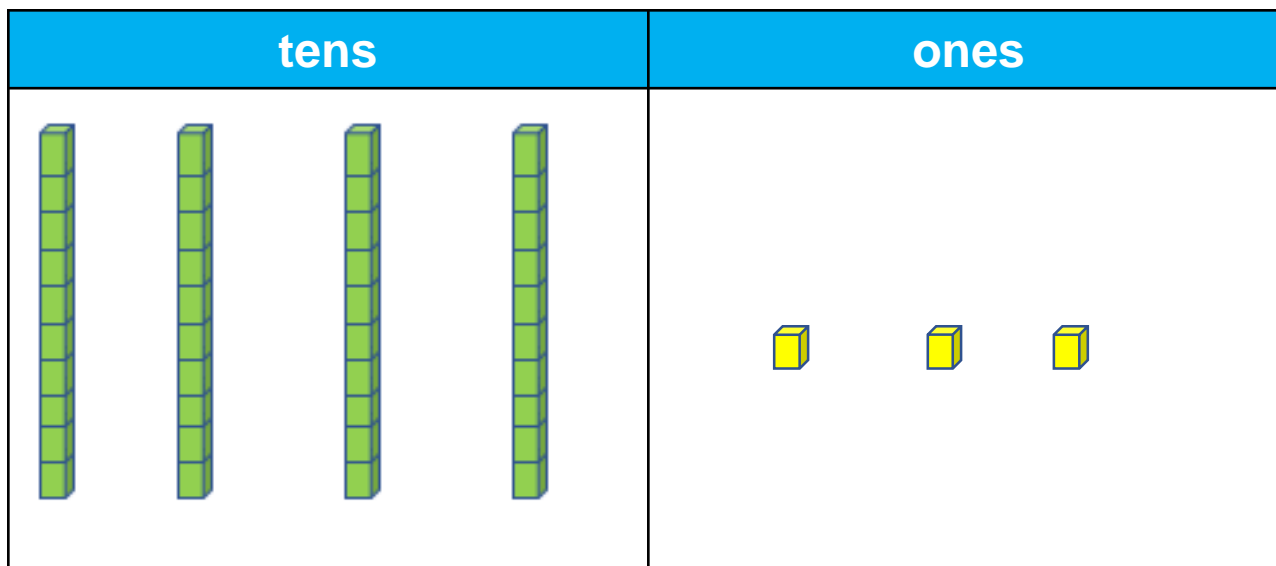
6  
6 ones

The number represented  
here is 96.  
 $9 \text{ tens} + 6 \text{ ones} = 96$

# To represent numbers in place value charts

## Talking Time:

Can you represent the number **43** using tens and ones equipment?  
How many tens? How many ones?



4 tens

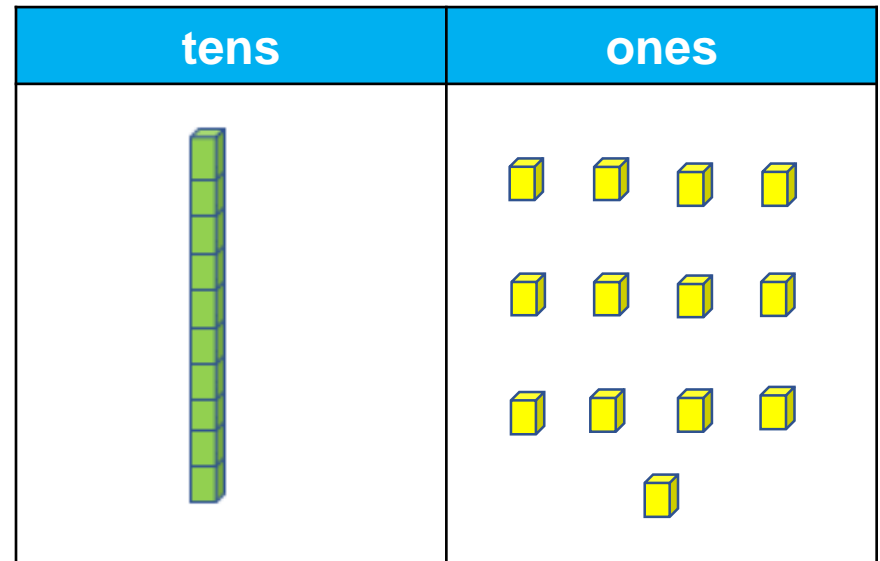
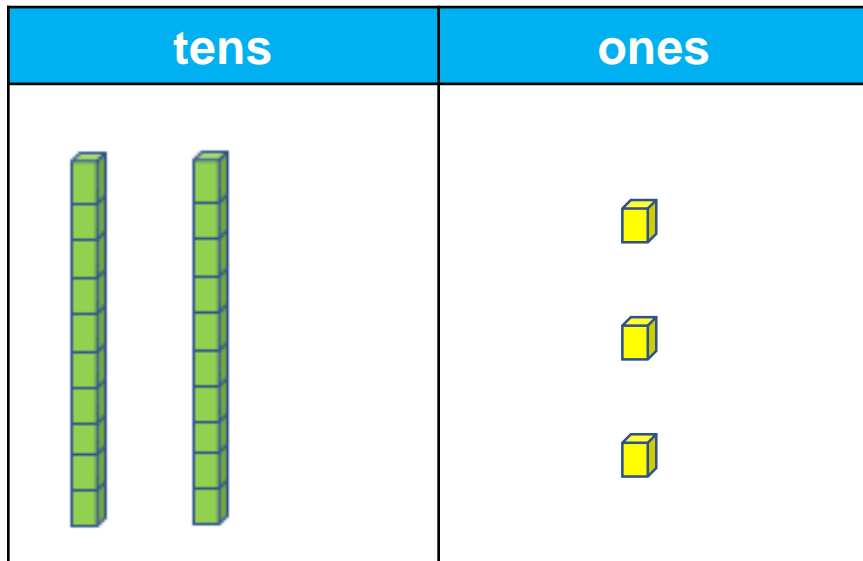
3 ones



# To represent numbers in place value charts

## Activity 1:

Here are 2 place value charts.  
Are they showing the same value? Why?  
Can you explain your thinking?



# To represent numbers in place value charts

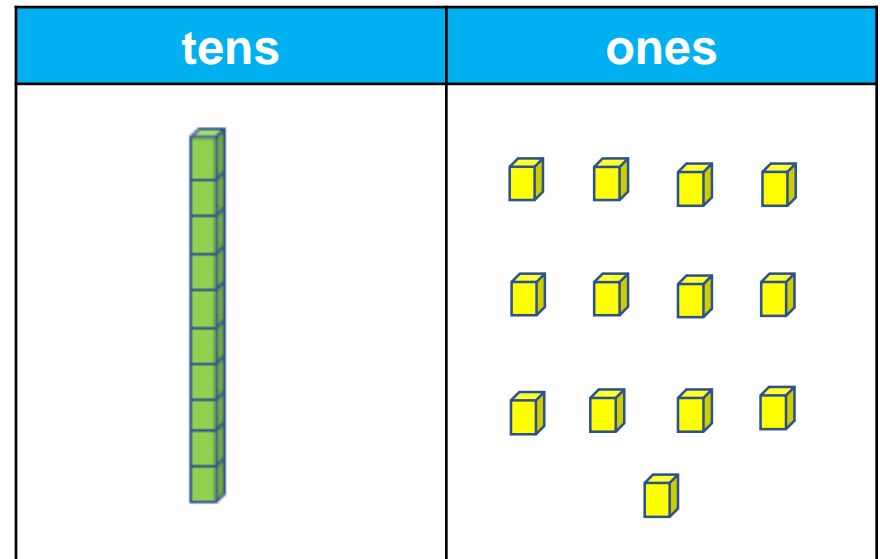
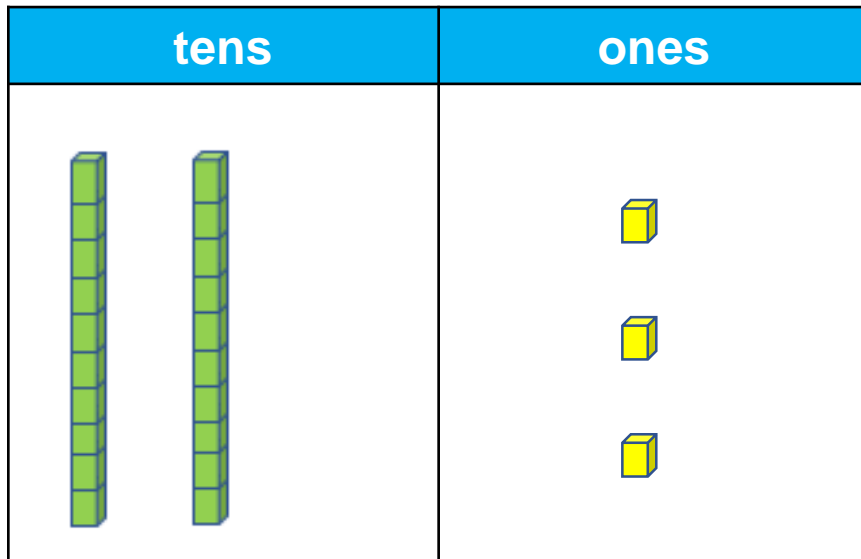
## Activity 1:

Here are 2 place value charts.  
Are they showing the same value? Why?  
Can you explain your thinking?

Yes, they are showing the same amount.

The first one is 2 tens + 3 ones = 23.

The second is 1 ten + 13 ones = 23.

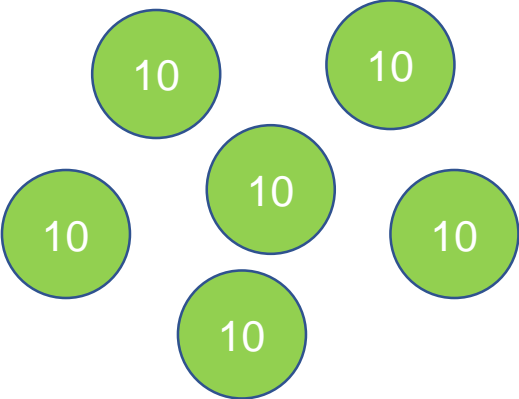
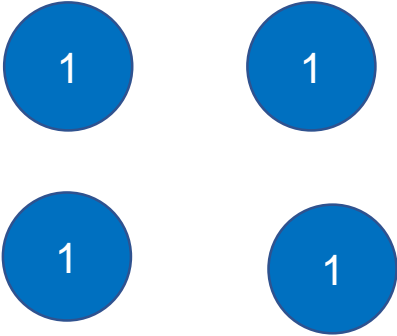


# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented by the place value counters? How do you know?

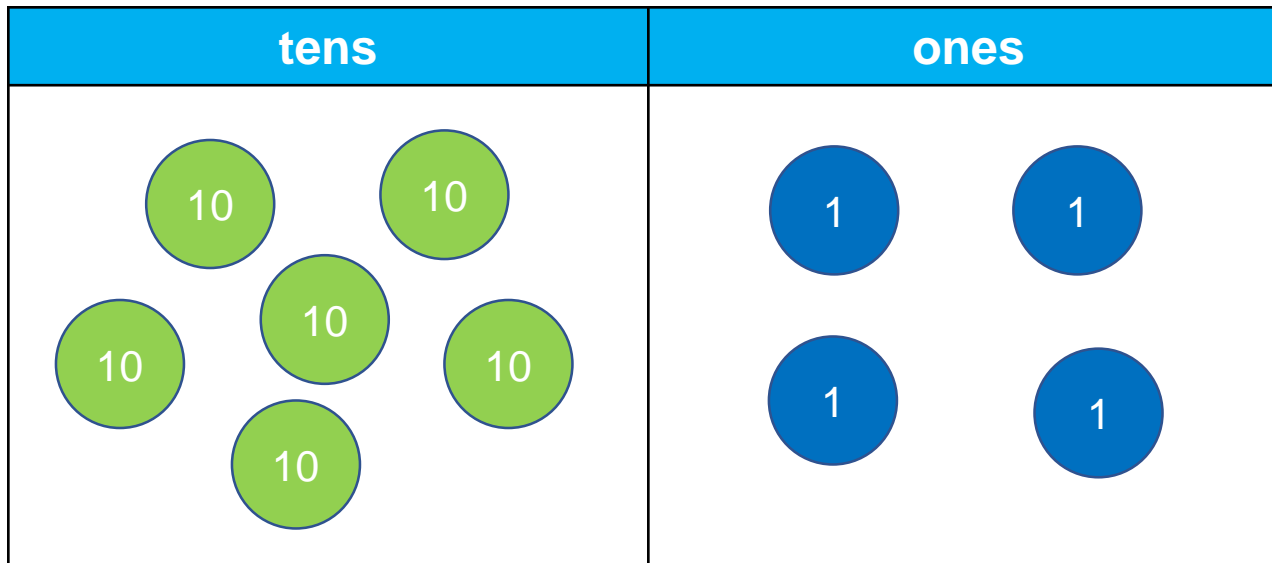
tens	ones
	

# To represent numbers in place value charts

## Talking Time:

Here is a place value chart.

What number is represented by the place value counters? How do you know?



6 tens

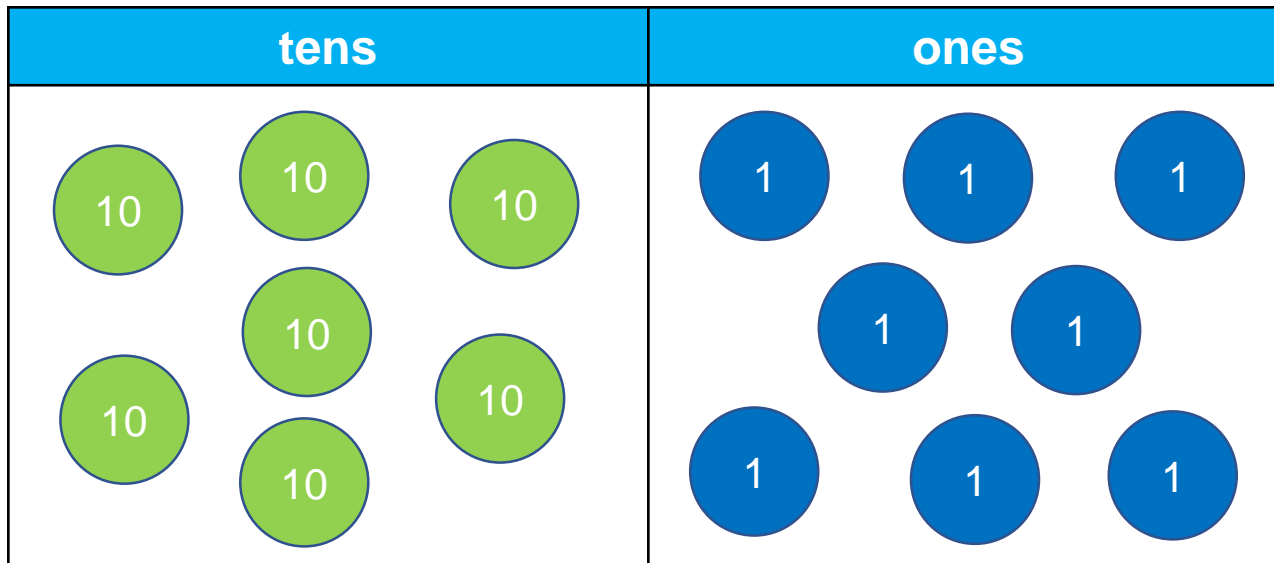
4 ones

The number represented here is 64.  
 $6 \text{ tens} + 4 \text{ ones} = 64$

# To represent numbers in place value charts

## Talking Time:

Can you represent the number **78** using place value counters?  
How many tens? How many ones?



7 tens

8 ones

### Extension:

Jenson has 5 place value counters. Which numbers could he make?

What is the lowest number he might make? What is the highest? Why?

# To represent numbers in place value charts

## Talking Time:

What number is represented on the place value chart?

Can you write two different number sentences to match the chart?

tens	ones
6	1

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

# To represent numbers in place value charts

## Talking Time:

What number is represented on the place value chart?

Can you write two different number sentences to match the chart?

tens	ones
6	1

$$\underline{60} + \underline{1} = \underline{61}$$

$$\underline{61} = \underline{60} + \underline{1}$$

# To represent numbers in place value charts

## Talking Time:

What number is represented on the place value chart?

Can you write two different number sentences to match the chart?

tens	ones
5	5

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$



# To represent numbers in place value charts

## Talking Time:

What number is represented on the place value chart?

Can you write two different number sentences to match the chart?

tens	ones
5	5

$$\underline{50} + \underline{5} = \underline{55}$$

$$\underline{55} = \underline{50} + \underline{5}$$