

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Observe whether children are able to say how many tens and ones are in a number and if they use concrete objects to represent two-digit numbers.

How many tens does the first number have? How many ones?

What is the number?

The second number has 3 tens so I think it shows the same number. Am I right?

Can you write the numbers into the place value chart?

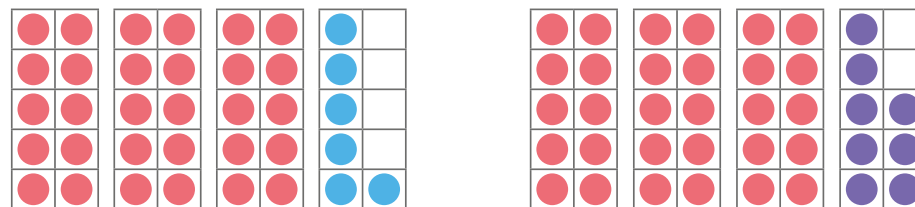
Which is the largest number and which is the smallest?

How can you use base ten blocks to make 85?

Tens and Ones



Write the numbers represented on to the place value chart.



Tens	Ones

Use base ten blocks to make the numbers below and then add them to the place value chart.

85

34

65

89

50

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children may find place value cards helpful. Children could use part-whole models with base ten blocks to help find the different possibilities.

How many tens does the first number have?

What numbers could you make that have 5 tens?

How many ones does the second model have?

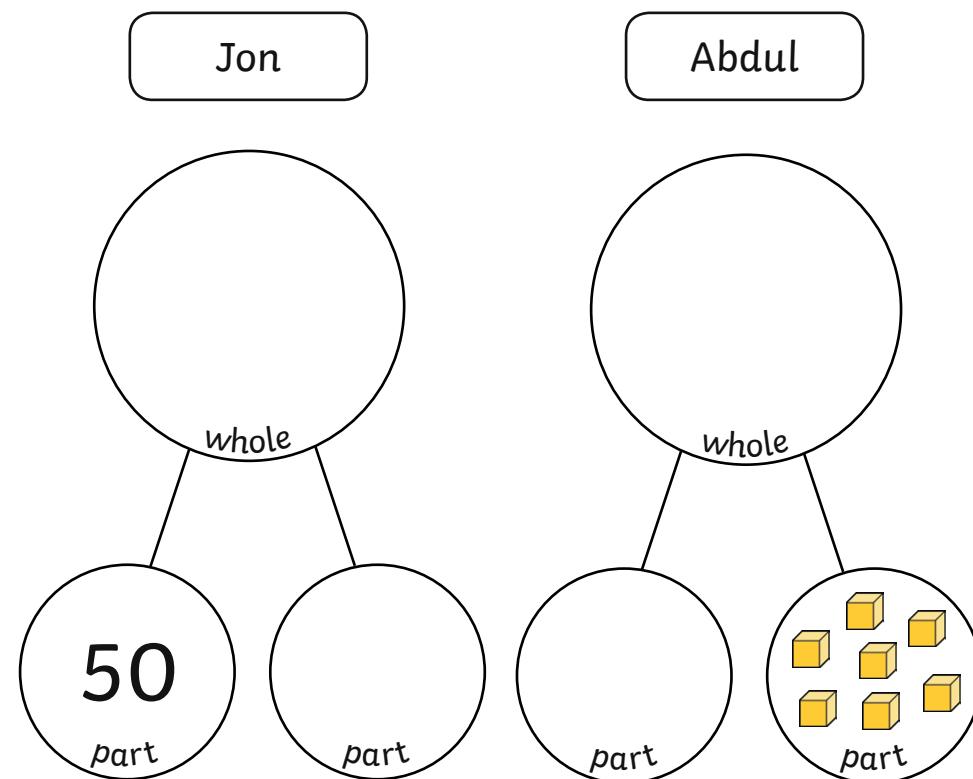
What numbers could you make that have 7 ones?

Can you show me with your equipment?

Can you think of an example where Jon has a larger number than Abdul?

Can you think of an example when Abdul could have a larger number than Jon?

Tens and Ones



Abdul says, "I have 7 ones so my number is the biggest."

Jon says, "I have 5 tens so my number is bigger than yours."

Who is correct? Explain your answer.

Diving into Mastery – Deepest

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Children may benefit from access to a hundred square or number line to 100 for this activity.

What is Helen's number? How do you know?

What clues do you have about Harris' number?

Could it be 83? Why not?

Could it be 90? Why not?

What could his number be? Is there more than one possible answer?

Can you show me on a tens frame?

Tens and Ones



My number has 8 tens and 4 ones. My number is the smallest.

My number has 8 tens and some ones. My number is the largest.



Helen

Harris

What could Harris' number be? Explain how you know.

Use a tens frame to represent the numbers that Harris could have.