

## Teaching Strategies - Numbers to 100\*

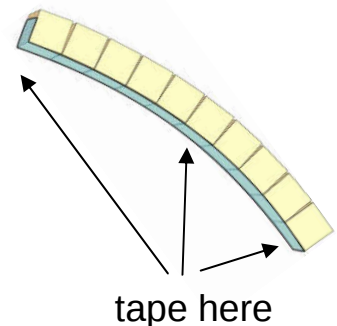
**Note to Teachers:** Use base ten blocks only AFTER having used Unifix, bundling sticks or ten frames as many students do not see a ten stick as 10 ones. They may see it as a stick called "ten". This is a common error with students. This is NOT the same.

\*Note that there is some debate about stopping at 99 as the hundreds place is not explored. Most students find that 99 is an unusual place to stop and automatically want to go to 100. Whilst 10 tens is shown, only write numbers to 99.

### Using base ten blocks

Base ten blocks require students to be able to recognize that a ten stick is 10 ones. Frequent activities of forming a stick of 10 ones and placing a ten stick next to it need to be explored.

Another great way to establish this concept is to tape a row of ones together on one side only so that the stick can be splayed apart showing the 10 individual ones. Allow students to handle 10 ones taped together to establish the ten concept.

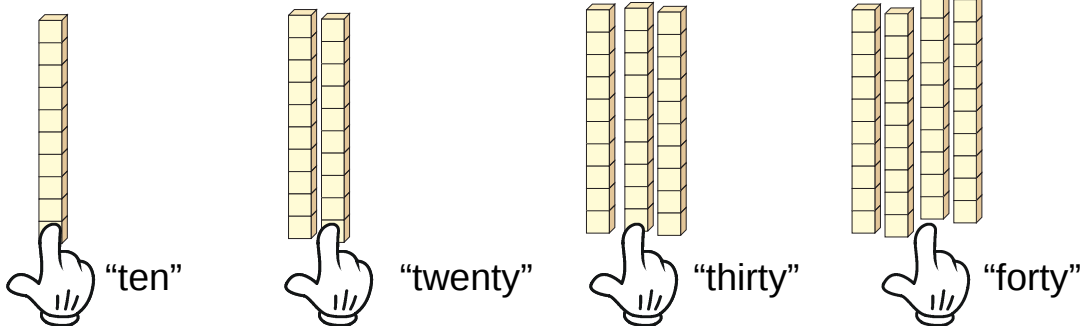


### Counting the tens numbers

Students should already be familiar with the counting of the tens to a hundred so should no longer confuse "teen" with "ty".

### Have students count with sticks of ten

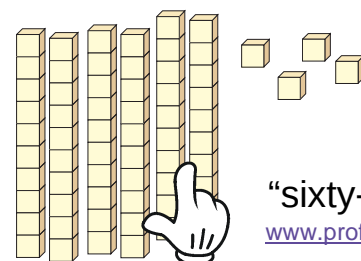
Count with the students, "ten, twenty, (place the second ten frame to make twenty) thirty... a hundred" pointing as you go. It is important here to emphasize the whole group is forty, not just the fourth ten frame.



### Ask students to tell how many are here

Show students different sets of tens sticks and ask for the number shown.

### Lastly introduce the Ones with the Tens

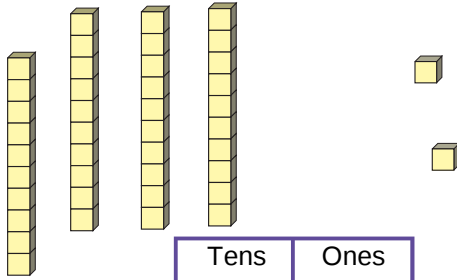


"sixty-four"

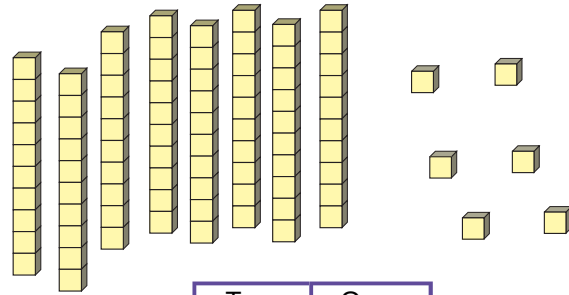
[www.profepete.com](http://www.profepete.com)



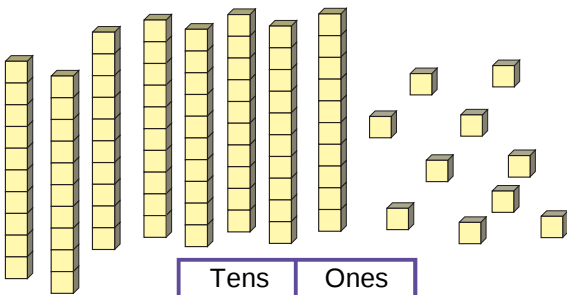
Write and say the number shown:



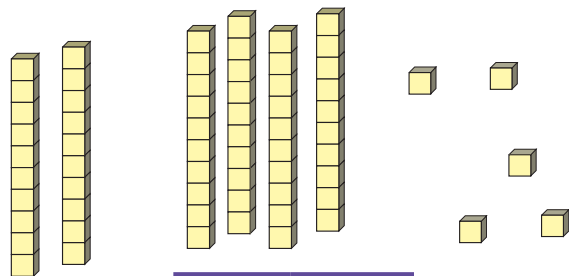
Tens	Ones



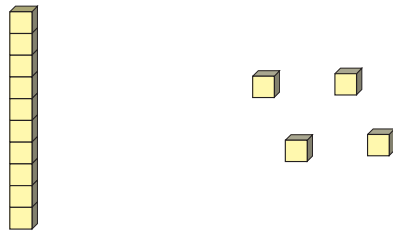
Tens	Ones



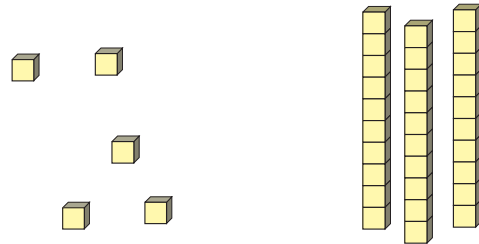
Tens	Ones



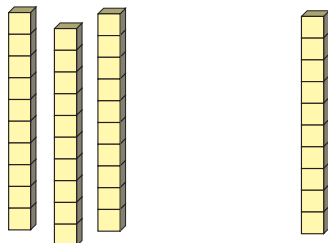
Tens	Ones



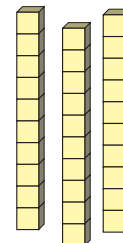
Tens	Ones



Tens	Ones



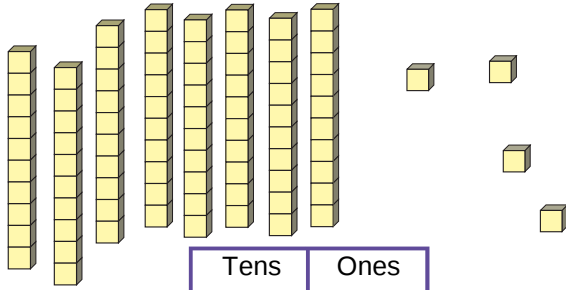
Tens	Ones



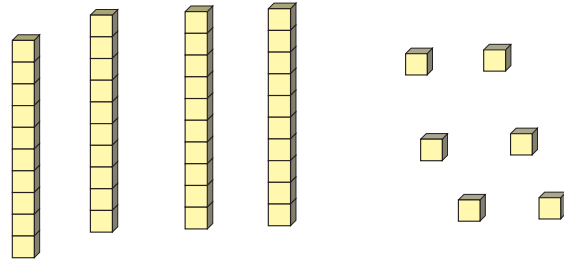
Tens	Ones



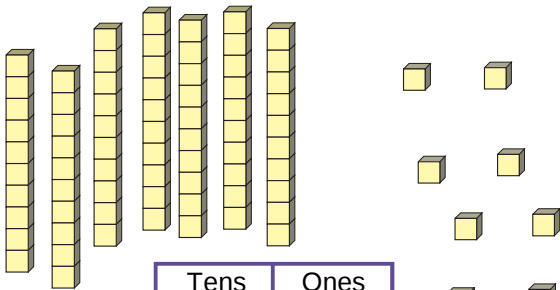
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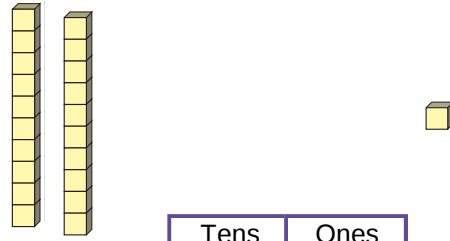
Tens	Ones



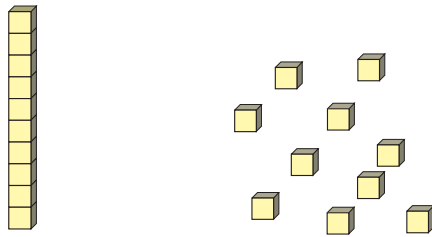
Tens	Ones



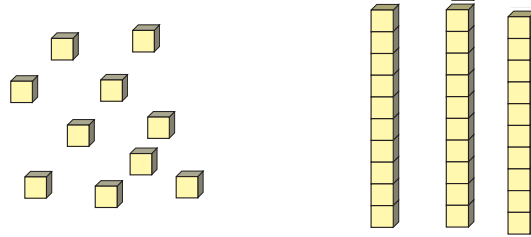
Tens	Ones



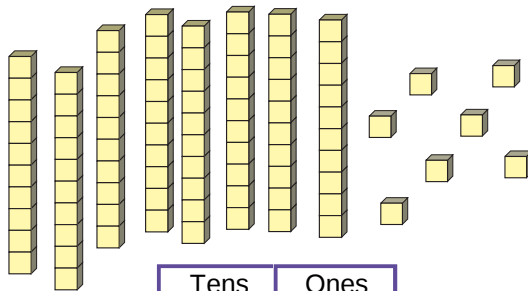
Tens	Ones



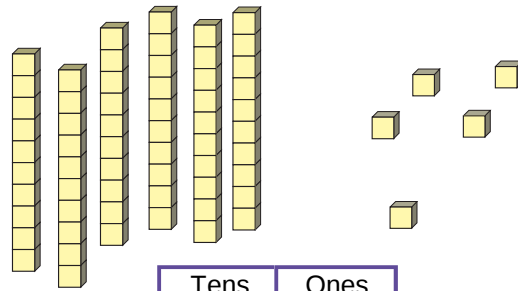
Tens	Ones



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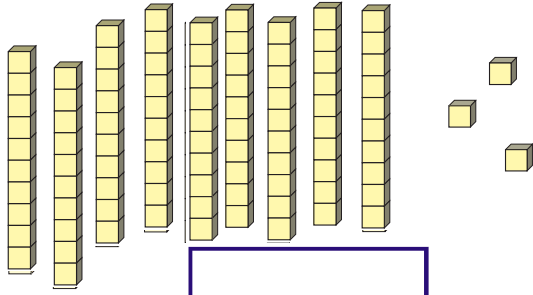
Tens	Ones

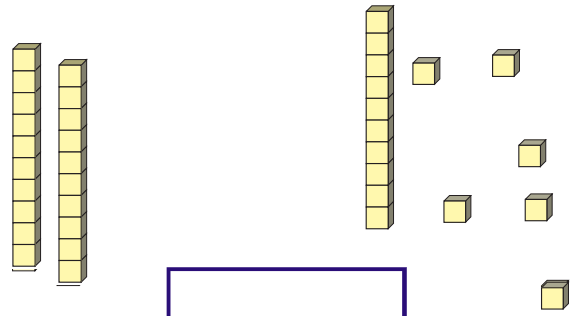


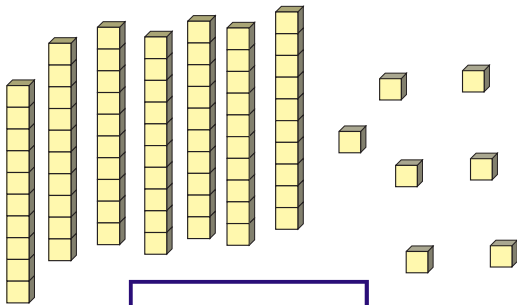
Tens	Ones

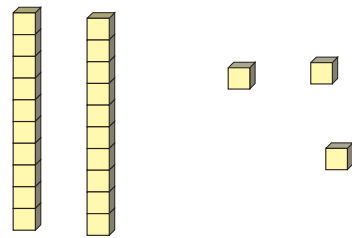


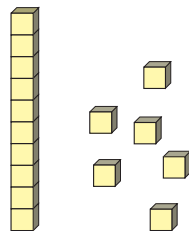
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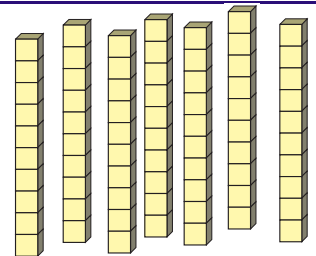
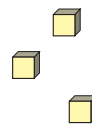


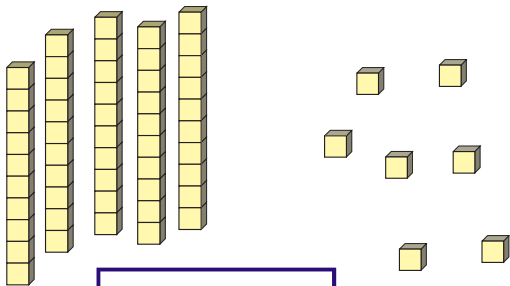


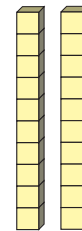














Cut and glue base ten pictures to show:

68

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72

**Template Instructions:** Cut and glue these **Base Ten Block** pictures on your own learning resources.

