

## Activity:

The aim of this activity is for children to use equipment to identify tens and ones in a number. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

## Vocabulary:

'**ones**' were known as units prior to the National Curriculum update in 2014.

A **representation** refers to a number that has been shown in different ways. This number may have been shown in numerals, words or using mathematical equipment such as Base 10 or a place value chart.

**Base 10 equipment** refers to a physical resource which can be used to represent numbers. The small cubes represent 'ones'; the rods represent 'tens' and are made up of 10 small cubes; the squares represent 'hundreds' and are made up of 10 rods; the large cubes represent 'thousands' and are made up of 10 squares.

A **part-whole model** is a concept to show how numbers can be split into different parts. They can be used to represent numbers, as well as a wide variety of calculations. The concept follows the structure  $\text{part} + \text{part} = \text{whole}$ , but this may change depending on how many parts there are.

## Supporting resources:

You can watch a video tutorial about tens and ones on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> **Year 1 >> Maths >> Place Value >> Video Tutorials.**

You can watch the answer explanation video which takes children through this activity and ways to answer it on <https://www.youtube.com/user/ClassroomSecretsLtd/playlists> >> **Year 1 Playlist >> Tens and Ones Answer Explanation.**

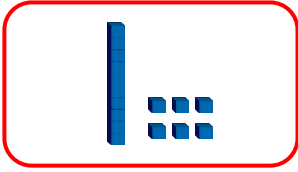
## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [classroomsecrets.co.uk/membership](https://classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 1 home learning activities on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.**

# Tens and Ones

1. A. 3; B. 2; C. 1
2. A. 16 = 1 ten and 6 ones; B. 42 = 4 tens and 2 ones.



3. Ed is incorrect because his straws and Base 10 represent 44 instead of 48. 4 more ones should be added to each representation to show 48. His part-whole model is correct as it shows 4 tens and 8 ones.