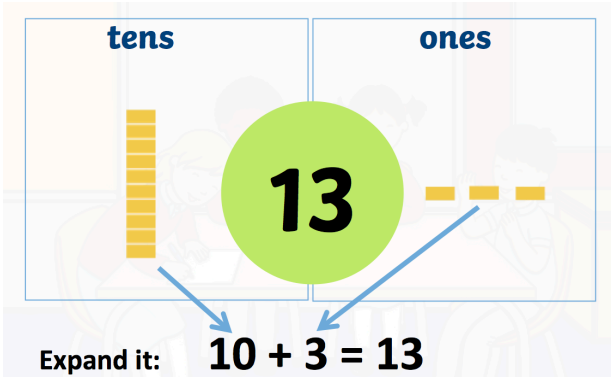
Year One Maths
Place Value Learning Ideas

A huge part of learning about place value is learning how many 'tens' and how many 'ones' are in a 2 digit number. This means children are learning the **value of each digit**. Once they know what each digit in a 2-digit number means they will know why, for example, 21 is different to 12.

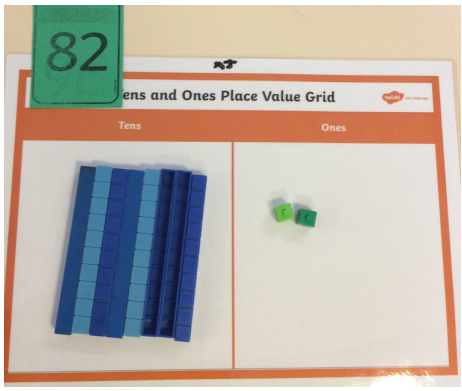
It's important to use objects to help them understand this concept.

The White Rose Maths Scheme shows pictorial representations of this in the work you have been doing over the last few weeks. Please see below for some 'hands on' activities you can do with your child for them to further consolidate this concept.

I will be going over 'tens' and 'ones' with Year One during our live Google Meets session on Monday 25th January and Tuesday 26th January.



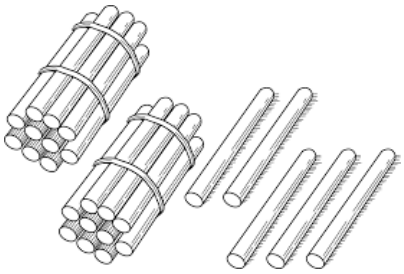
We use dienes cubes at school, where a stick represents a ten, and individual cubes represent one each. Above is a pictorial representation of dienes cubes. I have made some templates that you could cut out of paper and use as I appreciate you don't have real dienes cubes at home. I have also attached a 'tens and ones' grid where they can use the dienes similar to above. They can also use their whiteboards.



Another way to represent the 'tens' and the 'ones' in a number (i.e. 17 has 1 ten and 7 ones or 24 has 2 tens and 4 ones) is by bundling straws.
For every ten, put ten straws together in an elastic band and the individual ones keep apart.

5 tens + 3 ones

50 + 3 = 53



2 tens + 5 ones

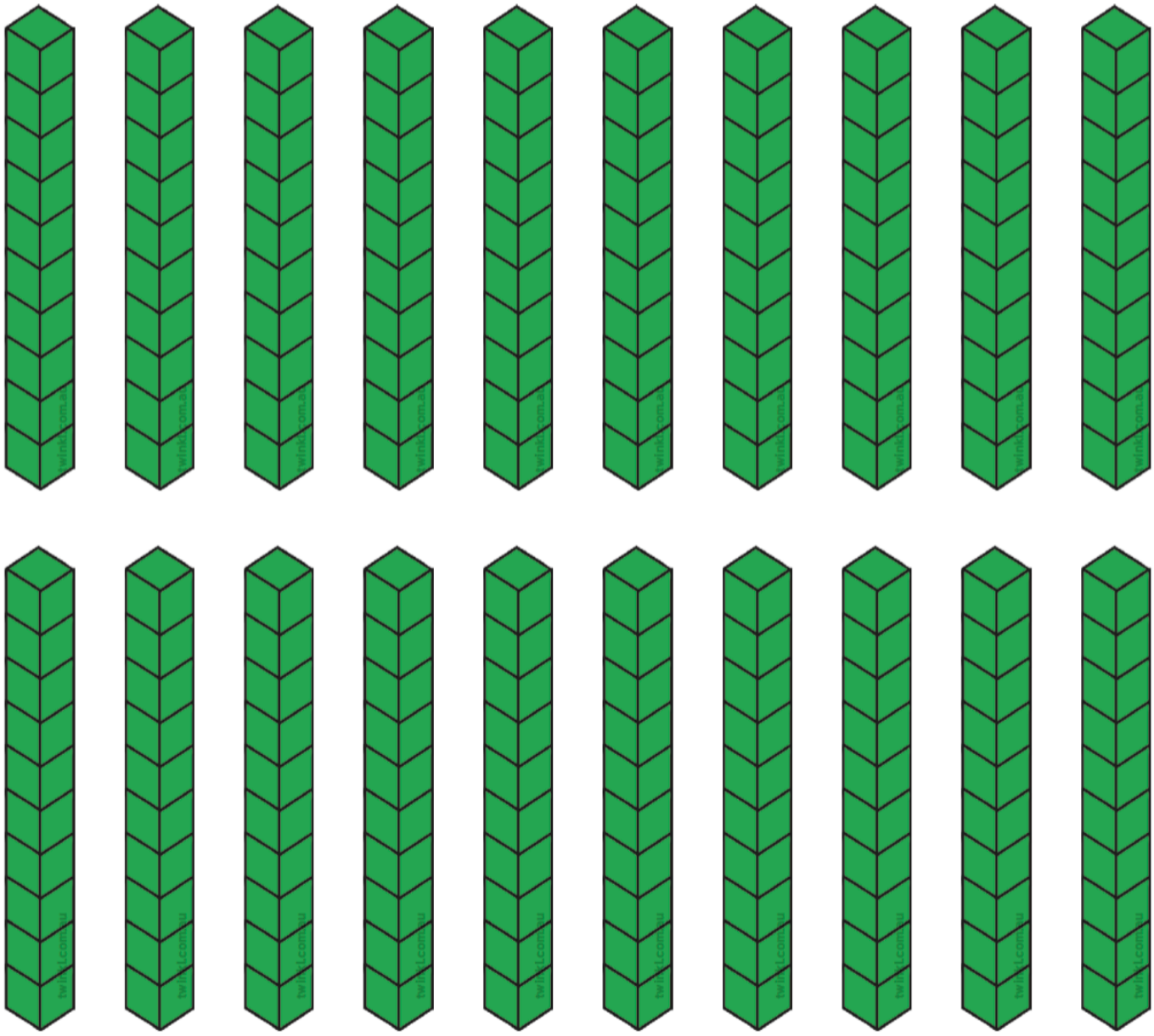
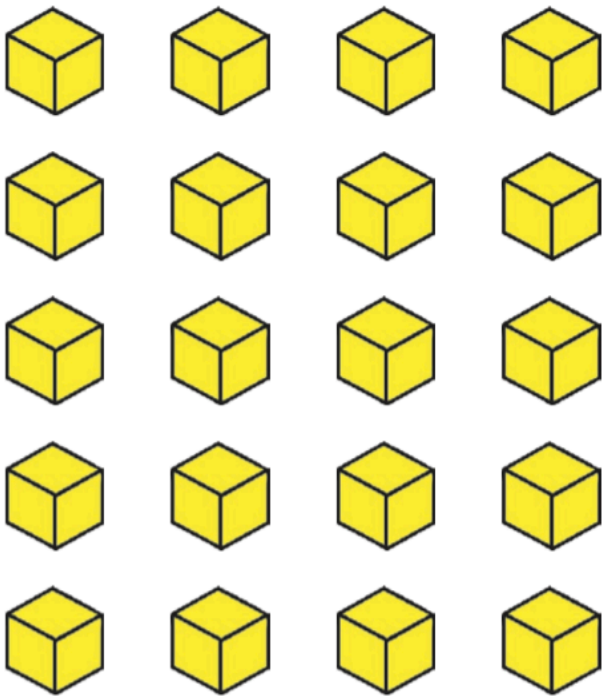
20 + 5 = 25

Another way to represent the 'tens' and the 'ones' in numbers 10-20 is to make paper chains! You need two colours; 1 for the 'ten' and 1 for the 'ones'. For example, if I were making the number 15, I would make 10 blue circles and 5 green circles. The child would then partition the number 15 by writing 10 + 5 = 15. Try and make a paper chain for every number between 10-20.

We also use 'arrow cards'. These show what each digit in the number represents. For example when you see the number 24, the digit '2' does not mean the number '2' it means 20 as it is a 2 in the tens column but the digit '4' does represent the number 4 as it is in the ones column. You could have a go at making your own arrow cards!

I hope these ideas are useful! We will be revisiting place value in a few weeks time and these methods will be great to use them as well! Happy learning!

Tens and Ones Place Value Grid

Tens	Ones

Expand it: _____ + _____ = _____