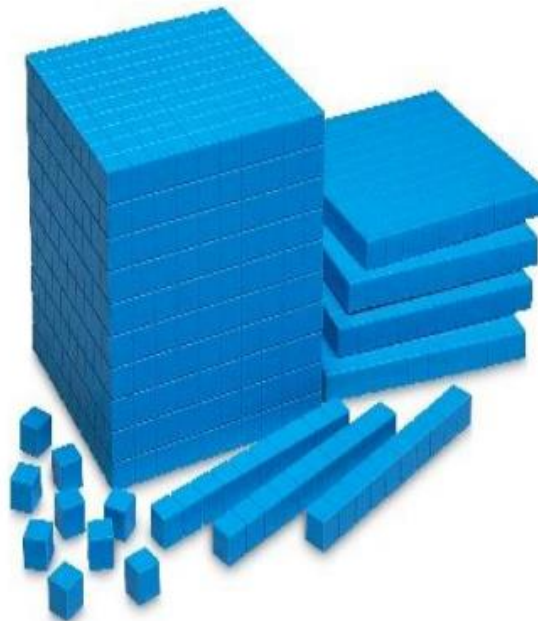




Tilstock[†]

Part of the Marches Academy Trust 

NUMBER LINES AND BASE 10



Purpose:

- To inform you of how early calculation skills are taught
- To give you confidence when helping with homework
 - To let you know what a number line is
- To inform you how a visual stimulus (Base 10) helps support learning
 - To give you simpler methods for home
 - To know where to find help

The Basics

- All counting is linear and follows a distinct pattern
- Number lines are a way of visualising these linear patterns

What does your child need to know in order to be successful?

- Basic number facts should be practised regularly at home
 - Counting on/back in steps of 1
 - Counting on/back in steps of 10
 - Counting on/back in steps of 100
 - All times tables up to 12 times table
- What is each digit worth in any number

These are basic principles of all counting and until they are mastered children will struggle to make GOOD progress with mathematics.

Calculations on a number line

The number line works in the most simple progression way imaginable.

It starts as a track:



And develops into a line:



It morphs into an empty line:



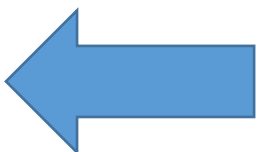
Finally it becomes blank:



When you add/multiply, numbers get bigger, so you move to the right



When you subtract/divide, numbers get smaller, so you go to the left



What is Base 10?

Base 10 helps children visualise numbers

