

How to use a number line and counting sticks

## Maths

# Is part of our everyday lives 



# Progression in the use of the number line 



# A number line is 

 just a 'picture' of how we work out some calculations in our heads!A farmer has 13 apples on one tree and 11 apples on another.

How many apples does he have altogether?


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13 apples and 11 apples
Equals 24 apples

## A farmer has 18 apples on a tree and he picks 3.

## How many apples will be left?

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18 apples take away 3 apples Equals 15 apples

ITif II Gave (b) bricylles. how incmy mherls would there be?

$2+2+2+2+2+2=12$ wheels

I have $36 p$ and my mum gives me 28p pocket money.


How much money do I have altogether?


# There are 5 cakes in one box. How many calkes in s boxes? 



# There ane 5 cakes in one box. How many calkes in thoxes? 



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5 cakes in each box.
4 boxes equals 20 cakes altogether.

## Ihave 20 cakes.

# I can sifit 5 cathes in a boo How many boxes wild I mead? 

$20 \div 5=4$ boxes


What if I had 22 cakes to pack?

# What is the missing measurement. ح 



# There are 38 fiction books and 55 non-fiction books 

 in the library.How many books are there in the library?


## There were 72 books in the library. <br> Children borrowed 24 of them.

How many books were left in the library?


There are 76 marbles in one jar and 57 marbles in another jar.

How many marbles are there altogether?


## Multiplication

## $3 \times 7$




## Division



## I have 48 cakes. I can fit 6 cakes in a box. How many boxes will I need?



## The many uses of a number line

Imagine:
A similar situation where the pupils are finding Problem solving with decimals (money and time) difficult to access.

The train is due to arrive at 6.45 am but is 37 minutes late. What time does it arrive?

How might a number line help?

