

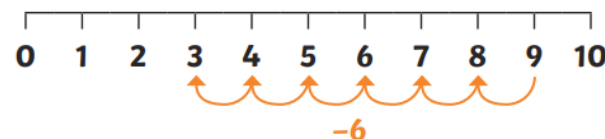
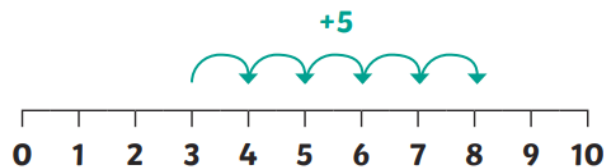
Key Vocabulary/Mathematical Symbols

+	add
-	subtract
=	equals
Number bond	A pair of numbers that make a given total when added together
Subtraction fact	The answer given when a number is subtracted from another
Part-whole model	A representation to show a whole and its parts

Addition and Subtraction within 10

Key Information

1	When we add numbers, our total becomes greater. We can jump forwards on a number line.
2	When we subtract numbers, our total becomes less. We can jump backwards on a number line.



Prior Knowledge		
Y1 Advent 1	Place Value within 10	Greater than and less than < and >

Worked Examples

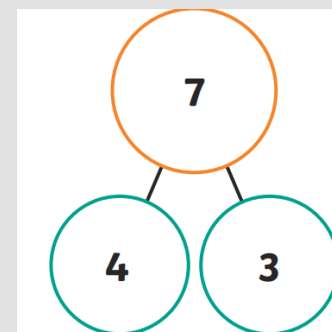
Here is a bar model

The model has the whole (9) and two parts (5 + 4)

Here's the fact families we can make from this bar model

9	5 + 4 = 9
5	4 + 5 = 9
4	9 - 4 = 5
	9 - 5 = 4

Can you write the fact families for this part-whole model?



$\underline{\quad} + \underline{\quad} = \underline{\quad}$
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Worked Examples

How many different numbers can the shapes represent?

$$\triangle + \square = 10$$

$0 + 10 = 10$ $6 + 4 = 10$
 $1 + 9 = 10$ $7 + 3 = 10$
 $2 + 8 = 10$ $8 + 2 = 10$
 $3 + 7 = 10$ $9 + 1 = 10$
 $4 + 6 = 10$ $10 + 0 = 10$

It cannot be $5 + 5$ because the shapes are not the same.