



# Addition and Subtraction Year 2

## Key vocabulary

<b>Add</b>	To bring two or more numbers (or things) together to make a new total.
<b>Total</b>	The result of adding.
<b>Subtract</b>	To take one number away from another.
<b>Greater Than</b>	Bigger.  The symbol > means greater than
<b>Less than</b>	Smaller.  The symbol < means less than
<b>Fact Families</b>	A fact family is a group of math facts using the same numbers. For addition/subtraction, you use three numbers and get four facts. Eg: 10, 2, and 12: $10 + 2 = 12$ , $2 + 10 = 12$ $12 - 10 = 2$ $12 - 2 = 10$

## Part Whole Model

$15 + 5 = 20$   
 $20 - 5 = 15$   
 $20 - 15 = 5$

$7 + 5 = 12$   
 $12 - 5 = 7$   
 $12 - 7 = 5$

$15 - 7 = 8$

$4 + 3 = 7$

## Greater/Less than or Equal to

We use the symbols >, < and = to compare the values of number sentences.

(10)  $6 + 4 < 6 + 5$  (11)

(10)  $6 + 4 > 3 + 6$  (9)

(7)  $11 - 4 = 12 - 5$  (7)

(7)  $11 - 4 < 12 - 4$  (8)

> means Greater than

< means Less than

= means Equal to

$5 + 3 = 8$



$4 + 4 = 8$



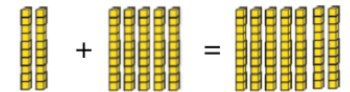
Therefore  $5 + 3 = 4 + 4$

## Related Facts

If I know that  $2 + 5 = 7$



I can use this this fact to know that  $20 + 50 = 70$



## Methods of Column Addition/ Subtraction

Tens	Ones
	••
	••

$$\begin{array}{r} 20 \\ + 40 \\ \hline 60 \end{array}$$

Tens	Ones
	••••
	••••

$$\begin{array}{r} 56 \\ - 30 \\ \hline 26 \end{array}$$