

Lesson 4 - to recognise the relationship between addition and subtraction.

Engage

Click on the link below to play a fun maths game about fact families. Play for addition or subtraction facts.

Start by playing within 10 or 20 then challenge yourself and see if you can play within 50 or even 100!

<https://www.topmarks.co.uk/number-facts/number-fact-families>

If you cannot open the link the search for Top Marks fact family game in your search engine.

Follow the home learning guide for a more detailed explanation of what fact families are and some activities to practise the skills needed for the independent task.

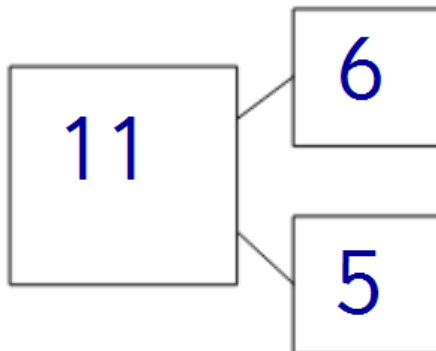
Let's
Recap



What is a fact family?

Introduce
(5 mins)

A fact family is a group of equations that can be created using the same set of numbers.



$$6 + 5 = 11$$

$$5 + 6 = 11$$

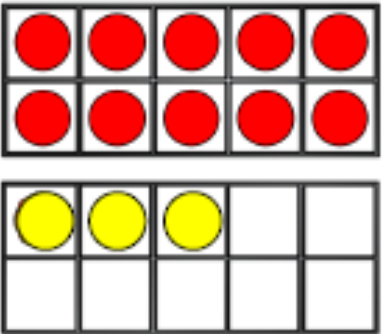
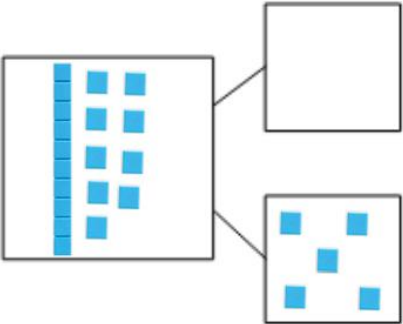
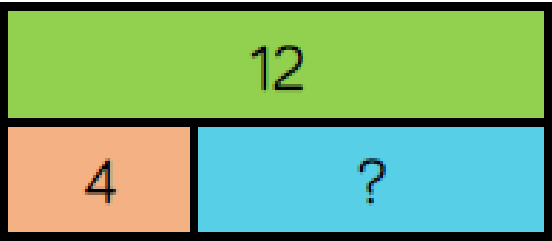
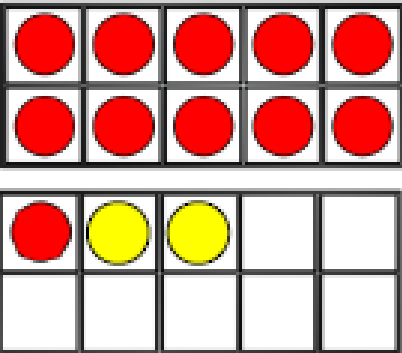
$$11 - 6 = 5$$

$$11 - 5 = 6$$

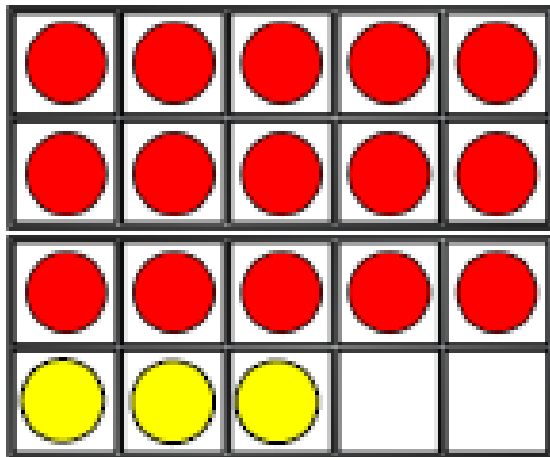
Independent Task: Look at the different representations of fact families. You will need to use your maths skills to work out what the numbers in the fact families are.

Independent task

Use these numbers to complete the addition and subtraction equations for the fact families. See if you can find the two addition and two subtraction equations for each fact family.

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

Circle the addition and subtraction number sentences that match the ten frames.



$15 + 3 = 18$

$15 - 3 = 18$

$3 + 18 = 15$

$18 - 15 = 3$

$18 + 3 = 15$

$18 - 3 = 15$

$18 = 3 + 15$

$15 - 18 = 3$

I have a whole of 14.



'Have you found all possibilities?'

What fact family could be making up my parts?

Find all the different fact families that could make the whole of 14 and write the addition and subtraction equations for each one.

Record your answers on the next sheet.



