

Key Instant Recall Facts

Year 3 Autumn 1

We believe that the rapid recall of key facts underpins the success and progress of all in maths. Children will be introduced to their key facts at the beginning of each half term and then practise them regularly in class. Children will also be expected to practise these key facts at home.

Your key fact this half term is

To know the number bonds for all numbers to 20

Key Facts

$2 + 9 = 11$	$5 + 9 = 14$
$3 + 8 = 11$	$6 + 8 = 14$
$4 + 7 = 11$	$7 + 7 = 14$
$5 + 6 = 11$	$6 + 9 = 15$
$3 + 9 = 12$	$7 + 8 = 15$
$4 + 8 = 12$	$7 + 9 = 16$
$6 + 6 = 12$	$8 + 8 = 16$
$5 + 7 = 12$	$8 + 9 = 17$
$4 + 9 = 13$	$9 + 9 = 18$
$5 + 8 = 13$	
$6 + 7 = 13$	

Example of a fact family

$$\begin{aligned}9 + 6 &= 15 \\6 + 9 &= 15 \\15 - 9 &= 6 \\15 - 6 &= 9\end{aligned}$$

Example of other facts

$$\begin{aligned}4 + 5 &= 9 \\19 - 7 &= 12 \\13 + 5 &= 18\end{aligned}$$

Key Vocabulary

What do I **add** to 5 to make 19?

What is 17 **subtract** 6?

What is 13 **less than** 15?

How **many more** than 8 is 11?

What is the **difference** between 9 and 13?

What is the **sum** of 14 and 4?

MAKE IT REAL

Use small items at home e.g. pasta to create groups to explain each calculation.

Children could use any single items that they have up to 20 of, e.g. conkers, pencils, pens, Lego, pebbles and create fact families with these objects.

MAKE IT LINK

<https://www.topmarks.co.uk/maths-games/hit-the-button> (select number bonds)

<https://www.bbc.co.uk/bitesize/topics/zcdpf82>

<https://www.arcademics.com/games/alien>

<https://www.math-salamanders.com/number-bonds.html> (number values bonds to 10, 15 or 20)

DEEPEN IT!

Mrs Reeves says, 'If you add 6 to a number ending in 7 you will always get a number ending in 3.' Is she correct? Explain your answer.

Is it always, sometimes or never true that a number less than 10 added to another number less than 10 = a number less than 10. How do you know?

Play this game with someone at home. Maybe challenge your teacher to a game after you have worked out a strategy to win. [Strike it Out \(maths.org\)](https://www.maths.org)

