

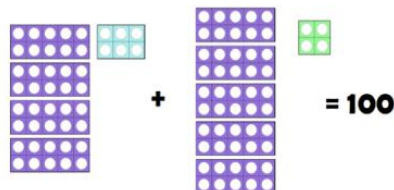
Number bonds show us how numbers join together. They are very important for addition and subtraction. This half term, the children will be learning number bonds of 100; they should be able to recall these independently.

Year 4 - Autumn 1

The children should know number bonds to 100. Some of these may include:

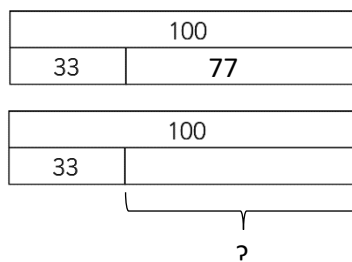
$60 + 40 = 100$	$37 + 63 = 100$
$40 + 60 = 100$	$63 + 37 = 100$
$100 - 40 = 60$	$100 - 63 = 37$
$100 - 60 = 40$	$100 - 37 = 63$
$75 + 25 = 100$	$48 + 52 = 100$
$25 + 75 = 100$	$52 + 48 = 100$
$100 - 25 = 75$	$100 - 52 = 48$
$100 - 75 = 25$	$100 - 48 = 52$

Concrete:



What can this look like?

Pictorial:



Abstract:

$$\underline{\quad} + 86 = 100$$

$$100 - 86 = \underline{\quad}$$

$$100 - \underline{\quad} = 86$$

Questions to ask at home

What do we need to add to 70 to make 100?
If I have 36, how many more do I need to get to 100?
What is the difference between 100 and 74?

Key vocabulary

25 **add** 75 **equals** 100
55 **plus** 45 **is the same as** 100
100 **take away** 6 **equals** 94
100 **subtract** 37 **makes** 63
The **difference between** 91 and 100 **is** 9

Activity ideas

Chants- Practice chanting the number bonds.

Everyday Objects- Gather together objects and separate them in as many different ways as possible, write the calculation to match each one.

Make a poster – We use lots of concrete, pictorial and abstract methods in school. Your child could make a poster showing different methods to make the number bonds to 100.

Use your number bonds to 10 – Think about your number bonds to 10 and how they might help you. E.g. $4+6=10$ therefore $40+60=100$

Websites:

<https://www.topmarks.co.uk/maths-games/hit-the-button> for number bonds to 100.