



KIRF: I know number bonds to total 100

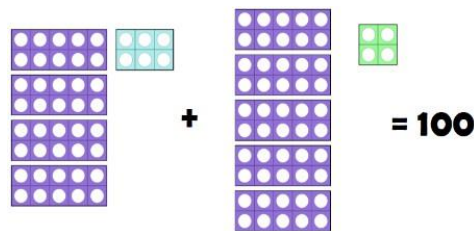
Number bonds show us how numbers join together. They are very important for addition and subtraction. This half term, the children will be learning number bonds of 100; they should be able to recall these independently.

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

$$\begin{array}{ll} 60 + 40 = 100 & 37 + 63 = 100 \\ 40 + 60 = 100 & 63 + 37 = 100 \\ 100 - 40 = 60 & 100 - 63 = 37 \\ 100 - 60 = 40 & 100 - 37 = 63 \end{array}$$

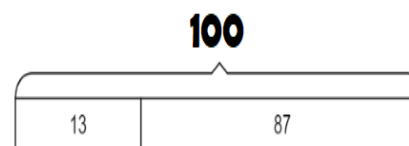
$$\begin{array}{ll} 75 + 25 = 100 & 48 + 52 = 100 \\ 25 + 75 = 100 & 52 + 48 = 100 \\ 100 - 25 = 75 & 100 - 52 = 48 \\ 100 - 75 = 25 & 100 - 48 = 52 \end{array}$$

Concrete:



What can this look like?

Pictorial:



Abstract:

$$\begin{array}{l} 49 + \bigcirc = 100 \\ 100 - \bigcirc = 72 \end{array}$$

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

Things to try

Make a set of 1-10-digit cards. Lay them face down and turn over 2 digits e.g 4 and 9. Make a number by putting the digits together e.g 49 or 94, how quickly can your child derive the bond to 100?

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 e.g part whole models, bar models.

Daily Practice <https://www.topmarks.co.uk/maths-games/daily10> 10 questions each day, select Level 2 Bonds to 100.

Active Learn

Cave commotion <https://www.activelearnprimary.co.uk/resource/1100341>

Balloon Pop <https://www.activelearnprimary.co.uk/resource/1100382> **Websites**

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

If your child feels confident with complements to 100 then these resources from nrich will help challenge and develop their thinking:

<https://nrich.maths.org/consecutivenumbers> <https://nrich.maths.org/1130>

<https://nrich.maths.org/91> <https://nrich.maths.org/1056>