



Key Instant Recall Facts

Year 3 - Autumn 1/2

To know my number bonds to 100.

By the end of this half term, children should know the following facts with **speed and accuracy**:

Children should be able to instantly recall **all** the number bonds to 100.

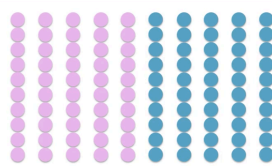
Here are some examples:

$1 + 99 = 100 \quad 2 + 98 = 100$

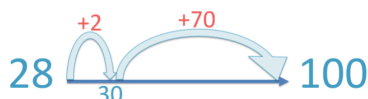
$3 + 97 = 100 \quad 100 - 96 = 4$

$5 + 95 = 100 \quad 100 - 6 = 94$

Number bonds to 100



$28 + 72 = 100$



Children should be able to recall number bonds using both addition and subtraction.

$E.g. 13 + 87 = 100 \quad 87 + 13 = 100$

$100 - 13 = 87 \quad 100 - 87 = 13$

- Number Bonds to 100 are pairs of numbers that add together to make 100.
- To find the number bond that pairs with 28 to make 100, we think of the number that we add to 28 to make 100.
- We can add 2 to 28 to make the next multiple of 10, which is 30.
- Now from 30, we just add 70 to make 100.
- In total we have added $70 + 2$.
- 28 and 72 are number bond pairs that add to make 100.

Key Vocabulary:

What do I **add** to 47 to give a **total** of 100?

What **pairs** with 82 to make 100?

What do I **subtract** from 100 to make 66?

How you can help at home:

The secret to success is practising little and often. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise?

- Other useful resources:

- <https://www.studyzone.tv/game275-code13fe7c386fa4ad7bb0ecdf05c8cec747>

- <https://www.math-salamanders.com/number-bonds-worksheets.html#Bonds100>

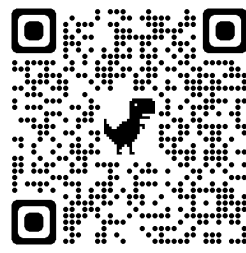
Some online games and worksheets:



<https://matheasily.com/number-bonds.html>



<https://www.topmarks.co.uk/Search.aspx?q=number+bonds+to+100>



<http://www.mental-arithmetic.co.uk/Number-Bonds-to-100.htm>