



KIRF: I know number bonds to 10.

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 that make 10; they should be able to recall these independently and automatically.

$0 + 10 = 10$ $1 + 9 = 10$ $2 + 8 = 10$ $3 + 7 = 10$ $4 + 6 = 10$ $5 + 5 = 10$ $6 + 4 = 10$ $7 + 3 = 10$ $8 + 2 = 10$ $9 + 1 = 10$ $10 + 0 = 10$	$10 - 10 = 0$ $10 - 9 = 1$ $10 - 8 = 2$ $10 - 7 = 3$ $10 - 6 = 4$ $10 - 5 = 5$ $10 - 4 = 6$ $10 - 3 = 7$ $10 - 2 = 8$ $10 - 1 = 9$	They should also know the commutative calculations: $9 + 1 = 10$ $8 + 2 = 10$ They should be able to answer missing number questions: $2 + \square = 10$ $\square + 3 = 10$ $10 - \square = 9$	Key Vocabulary : 8 add 2 equals 10 3 plus 2 is the same as 5 If I have 6, then I get 2 more, how many in total now? 10 take away 7 equals 3 10 subtract 3 makes 7 10 minus 9 equals 1
What can this look like? Concrete, Pictorial Abstract:			
		$0 + 10 = 10$ $3 + 7 = 10$ $10 + 0 = 10$ $7 + 3 = 10$ $1 + 9 = 10$ $4 + 6 = 10$ $9 + 1 = 10$ $6 + 4 = 10$ $2 + 8 = 10$ $5 + 5 = 10$ $8 + 2 = 10$	

Activity ideas:

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.

Chants- Practice chanting the number bonds.

Everyday Objects- Gather together 10 objects and separate them in as many different ways as possible, write the calculation to match each one.

Water gun numbers- Write the numbers 1-10 on large pieces of paper, shout out a number 1-10 and then ask your child to shoot the right number to make 10.

Pegs – Put 10 pegs on to a coat hanger, split them in different ways and count how many pegs are on each side. For example 4 pegs + 6 pegs equals 10 pegs ($4+6=10$).

Websites:

[Numbots](#) Children all have their username and password to practice in the “Challenge” and the “Story”.

[MyMaths](#) Children will be set weekly home learning.

[White Rose video](#)

[ICT games - bonds to 10](#)

White Rose Maths have developed a new app that children can practise counting and subitising. It is free and it is



fabulous.