

## Year 2 Autumn 1 KIRF

By the end of this block, children should know the following facts. The aim is for them to recall these facts instantly and accurately

### Number bonds for each number to 20

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

They should be able to answer these questions in any order, including missing number questions e.g.  $19 + \bigcirc = 20$  or  $20 - \bigcirc = 8$ .

$0 + 20 = 20$	$20 + 0 = 20$	$20 - 0 = 20$	$20 - 20 = 0$
$1 + 19 = 20$	$19 + 1 = 20$	$20 - 1 = 19$	$20 - 19 = 1$
$2 + 18 = 20$	$18 + 2 = 20$	$20 - 2 = 18$	$20 - 18 = 2$
$3 + 17 = 20$	$17 + 3 = 20$	$20 - 3 = 17$	$20 - 17 = 3$
$4 + 16 = 20$	$16 + 4 = 20$	$20 - 4 = 16$	$20 - 16 = 4$
$5 + 15 = 20$	$15 + 5 = 20$	$20 - 5 = 15$	$20 - 15 = 5$
$6 + 14 = 20$	$14 + 6 = 20$	$20 - 6 = 14$	$20 - 14 = 6$
$7 + 13 = 20$	$13 + 7 = 20$	$20 - 7 = 13$	$20 - 13 = 7$
$8 + 12 = 20$	$12 + 8 = 20$	$20 - 8 = 12$	$20 - 12 = 8$
$9 + 11 = 20$	$11 + 9 = 20$	$20 - 9 = 11$	$20 - 11 = 9$
$10 + 10 = 20$		$20 - 10 = 10$	

#### Key Vocabulary

What do I **add** to 5 to make 20?

What is 20 **take away** 6?

What is 3 **less than** 20?

**How many more** than 16 is 20?

### Possible learning activities

Use what you already know – Use number bonds to 10 (e.g.  $7 + 3 = 10$ ) to work out related number bonds to 20 (e.g.  $17 + 3 = 20$ ).

Use practical resources – Make collections of 20 objects. Ask questions such as, “How many more conkers would I need to make 20?”

Play games – You can play number bond pairs online at [www.conkermaths.com](http://www.conkermaths.com) and then see how many questions you can answer in just one minute. You can also use Numbots to work on number facts within 20.