

Key Instant Recall Facts - Year 2 Autumn Term 1

I know all the number bonds to 20

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

Fact Families

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

Key imagery:

Prove using whole/part model:

Eg -

Whole

20	
3	17
Part	Part

Eg - $3 + 17 = 20$

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

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 is 20 than 16?

What is the **whole**?

What are the **parts**?

Top tips

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. If you would like more ideas, please speak to your child's teacher.

Activity ideas

* **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?**"

* **Make a poster**- We use Numicon at school. You can find pictures of the Numicon shapes here: bit.ly/NumiconPictures -your child could make a poster showing the different ways of making 20.

Play games- You can play number bond pairs online at <https://www.topmarks.co.uk/maths-games/hit-the-button> (select the number bonds tab and then make 20)



