



Key Instant Recall Facts

Year 2 – Spring 1

I know doubles and halves of numbers 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**.

$0 + 0 = 0$	$\frac{1}{2}$ of 0 = 0	
$1 + 1 = 1$	$\frac{1}{2}$ of 2 = 1	$11 + 11 = 22$
$2 + 2 = 4$	$\frac{1}{2}$ of 4 = 2	$12 + 12 = 24$
$3 + 3 = 6$	$\frac{1}{2}$ of 6 = 3	$13 + 13 = 26$
$4 + 4 = 8$	$\frac{1}{2}$ of 8 = 4	$14 + 14 = 28$
$5 + 5 = 10$	$\frac{1}{2}$ of 10 = 5	$15 + 15 = 30$
$6 + 6 = 12$	$\frac{1}{2}$ of 12 = 6	$16 + 16 = 32$
$7 + 7 = 14$	$\frac{1}{2}$ of 14 = 7	$17 + 17 = 34$
$8 + 8 = 16$	$\frac{1}{2}$ of 16 = 8	$18 + 18 = 36$
$9 + 9 = 18$	$\frac{1}{2}$ of 18 = 9	$19 + 19 = 38$
$10 + 10 = 20$	$\frac{1}{2}$ of 20 = 10	$20 + 20 = 40$

Key Vocabulary

What is **double** 9?

What is **half** of 14?

Equal parts

Multiplied by two

Divided by two

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 family of the day.
- When children are confident with doubles, ask them to find the corresponding halves.
- Practise halving at least as often as doubling. This will help children with subtraction at a later date.

Make it Real!

If there are 16 shoes. How many dolls can have a pair of shoes?

8 dolls! Can you tell me why? Because double 8 is 16.



Double

$1 \rightarrow 2$

$2 \rightarrow 4$

$3 \rightarrow 6$

Halves

$20 \rightarrow 10$

$19 \rightarrow 9\frac{1}{2}$

$18 \rightarrow 9$



A cartoon lasts 18 minutes. The next cartoon lasts half as long. How many minutes does the next cartoon last for?

9 minutes! How do you know? Because half of 18 is 9.



Make it Fun!

Ping Pong In this game, the adult says, 'Ping' and the child replies, 'pong'. Then the parent says a number and the child doubles it. For a harder version, the adult can say 'pong', the child replies 'ping', and then halves the next number given.



Playing Darts Use a magnetic dartboard. Create a game involving doubling and halving.



Dominoes Add together the dots on your domino and then double or half it.



Playing cards Remove the face cards. Choose a card and then either double or half it.

Online games Go to conkermaths.com and see how many you can answer in 90 seconds.