



# Key Instant Recall Facts (KIRFs)

## Year 1 – Spring 1

### I know doubles and halves of numbers to 10.

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

$0 + 0 = 0 \quad \frac{1}{2} \text{ of } 0 = 0$

$1 + 1 = 2 \quad \frac{1}{2} \text{ of } 2 = 1$

$2 + 2 = 4 \quad \frac{1}{2} \text{ of } 4 = 2$

$3 + 3 = 6 \quad \frac{1}{2} \text{ of } 6 = 3$

$4 + 4 = 8 \quad \frac{1}{2} \text{ of } 8 = 4$

$5 + 5 = 10 \quad \frac{1}{2} \text{ of } 10 = 5$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

$10 + 10 = 20$

#### Key Vocabulary

What is **double** 9?

What is **half** of 6?

#### 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.

Ping Pong – In this game, the parent 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.

Practise online – Go to [www.conkermaths.com](http://www.conkermaths.com) and see how many questions you can answer in just 90 seconds.



# Key Instant Recall Facts (KIRFs)

## Year 1 – Spring 2

### I know number bonds to 10.

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

$0 + 10 = 10$	$2 + 8 = 10$	$4 + 6 = 10$
$10 + 0 = 10$	$8 + 2 = 10$	$6 + 4 = 10$
$10 - 10 = 0$	$10 - 8 = 2$	$10 - 6 = 4$
$10 - 0 = 10$	$10 - 2 = 8$	$10 - 4 = 6$
$1 + 9 = 10$	$3 + 7 = 10$	$5 + 5 = 10$
$9 + 1 = 10$	$7 + 3 = 10$	$10 - 5 = 5$
$10 - 9 = 1$	$10 - 7 = 3$	
$10 - 1 = 9$	$10 - 3 = 7$	

#### Key Vocabulary

What is 8 **add** 2?

What is 4 **plus** 6?

What is 10 **take away** 2?

What is 10 **less than** 4?

They should be able to answer these questions in any order, including missing number questions e.g.  $6 + \bigcirc = 10$  or  $10 - \bigcirc = 3$ .

#### 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.

Use practical resources – Your child has one potato on their plate and you give them two more. Can they predict how many they will have now?

Make a poster – your child could make a poster showing the different ways of making 10.

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.