



KEY INSTANT RECALL FACTS

STAGE: 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**.

$0 + 0 = 0 \quad \frac{1}{2} \text{ of } 0 = 0 \quad 11 + 11 = 22$

$1 + 1 = 1 \quad \frac{1}{2} \text{ of } 2 = 1 \quad 12 + 12 = 24$

$2 + 2 = 4 \quad \frac{1}{2} \text{ of } 4 = 2 \quad 13 + 13 = 26$

$3 + 3 = 6 \quad \frac{1}{2} \text{ of } 6 = 3 \quad 14 + 14 = 28$

$4 + 4 = 8 \quad \frac{1}{2} \text{ of } 8 = 4 \quad 15 + 15 = 30$

$5 + 5 = 10 \quad \frac{1}{2} \text{ of } 10 = 5 \quad 16 + 16 = 32$

$6 + 6 = 12 \quad \frac{1}{2} \text{ of } 12 = 6 \quad 17 + 17 = 34$

$7 + 7 = 14 \quad \frac{1}{2} \text{ of } 14 = 7 \quad 18 + 18 = 36$

$8 + 8 = 16 \quad \frac{1}{2} \text{ of } 16 = 8 \quad 19 + 19 = 38$

$9 + 9 = 18 \quad \frac{1}{2} \text{ of } 18 = 9 \quad 20 + 20 = 40$

$10 + 10 = 20 \quad \frac{1}{2} \text{ of } 20 = 10$

Key Vocabulary

What is **double** 9?

What is **half** of 14?

They should also be able to answer missing number questions e.g. double $\bigcirc = 16$ or half $\bigcirc = 18$ and doubles of multiples of 10 to 50 e.g. double 40, and corresponding halves.

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 what you already know – Encourage your child to find the connection between the 2 times table and double facts.

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 and see how many questions you can answer in just 90 seconds.