



# Key Instant Recall Facts

## Year 4 – Summer 2

### I can recognise decimal equivalents of fractions.

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

$$\frac{1}{2} = 0.5$$

$$\frac{1}{4} = 0.25$$

$$\frac{3}{4} = 0.75$$

$$\frac{1}{10} = 0.1$$

$$\frac{2}{10} = 0.2$$

$$\frac{5}{10} = 0.5$$

$$\frac{6}{10} = 0.6$$

$$\frac{9}{10} = 0.9$$

$$\frac{1}{100} = 0.01$$

$$\frac{7}{100} = 0.07$$

$$\frac{21}{100} = 0.21$$

$$\frac{75}{100} = 0.75$$

$$\frac{99}{100} = 0.99$$

#### Key Vocabulary

How many **tenths** is 0.8?

How many **hundredths** is 0.12?

Write 0.75 as a **fraction**.

Write  $\frac{1}{4}$  as a **decimal**.

Children should be able to convert between decimals and fractions for  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$  and any number of tenths and hundredths.

#### 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: start with tenths before moving on to hundredths. If you would like more ideas, please speak to your child's teacher.

Play games - Make some cards with pairs of equivalent fractions and decimals. Use these to play the memory game or snap. Or make your own dominoes with fractions on one side and decimals on the other.

### Make it Real!

A piece of ribbon is 1 metre in length. If I cut it and give you 0.5 metres of the ribbon, how would that be represented as a fraction?



*1/2! Are you sure? Yes because 0.5 is the same as 50 out of 100, which is equal to  $\frac{1}{2}$ .*

If you were competing in a 100-metre sprint but you had to stop 23 metres in because your shoe fell off, what fraction of the race did you run? Can you give it as a fraction and a decimal?



*23/100, which is equal to 0.23! How do you know? Because 23/100 means 23 out of 100.*

### Make it Fun!

**Shout it out!** Play ping-pong – one person calls out the fraction and the other replies with the decimal equivalent and vice versa. As an extra challenge: remember to simplify the fraction where you can!

**Dominoes** – create your own dominoes and then you can play fraction/ decimal dominoes.

**Playing cards** – create your own playing cards and then you can play snap with fraction/ decimal equivalents.