



Key Instant Recall Facts

Year 6 – Spring 1

I can convert between decimals, fractions and percentages.

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

Conversion	Method	Example
Fraction to Decimal	Divide numerator by denominator	$\frac{3}{4} = 3 \div 4 = 0.75$
Decimal to Fraction	Use place value of last decimal digit as the denominator and the decimal (without decimal point) as numerator.	$0.73 = \frac{73}{100}$
Decimal to Percentage	Times by 100	0.29 $0.29 \times 100 = 29\%$
Percentage to Decimal	Divide by 100	37% $37 \div 100 = 0.37$

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.

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**?