



# Year 5 Maths

## KEY INSTANT RECALL FACTS (KIRFs)

To develop your child's fluency and mental maths skills, we have introduced KIRFs (Key Instant Recall Facts) throughout school. KIRFs are a way of helping your child to learn by heart key facts and information which they need to have instant recall of.

KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in schools. They are particularly useful when calculating: adding, subtracting, multiplying or dividing. They contain number facts such as number bonds and times tables that need constant practise and rehearsal, so children can recall them quickly.

Each half term, children will focus on a KIRF to practise and learn at home alongside the work that we will be doing weekly in school. They will include ideas to assist your child in grasping these key facts. They are not designed to be a time-consuming task and can be practised anywhere – in the car, walking to school etc. Regular practise – little and often – helps children to retain these facts.

Over their time at primary school, we believe that – if the KIRFs are developed fully – children will be more confident with maths work, understand its relevance and be able to access the curriculum more easily. They will be able to apply what they have learned to a wide range of problems that confront us regularly.

Thank you for your support.

# Key Instant Recall Facts

## Year 5 Summer 2

This half term your child is working towards achieving knowledge of the KIRF, indicated below.

The ultimate aim is for your child to be able to recall these facts instantly.

### This term's KIRF .....

I know fraction, decimal and percentage equivalents of  $\frac{1}{2}$ ,  $\frac{1}{4}$ , fifths and tenths.

I know that fractions, decimals and percentages are equivalent to each other.

I can recall the following equivalents.

Fraction	Decimal	Percentage
$\frac{1}{2} = 5/10$	0.5	50%
$1/4$	0.25	25%
$1/5$	0.2	20%
$2/5 = 4/10$	0.4	40%
$3/5 = 6/10$	0.6	60%
$4/5 = 8/10$	0.8	80%
$1/10$	0.1	10%
$3/10$	0.3	20%
$7/10$	0.7	70%
$9/10$	0.9	90%

### Key Vocabulary

Equivalent (the same as)  
Fraction  
Decimal  
percentage

### Play a game

Use the cards on the next page to play snap or matching in 3s game.

Put cards on the floor or outside throw a bean bag/coin on to a card and win a point if you can say the fraction, decimal or percentage equivalent.

Online games to support

[Match Fractions Decimals and Percentages - Mathsframe](#)

$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{1}{5}$	0.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{3}{5}$	0.6	60%
$\frac{4}{5}$	0.8	80%
$\frac{1}{10}$	0.1	10%
$\frac{2}{10}$	0.2	20%

3/10

0.3

30%

4/10

0.4

40%

5/10

0.5

50%

6/10

0.6

60%

7/10

0.7

70%

8/10

0.8

80%

9/10

0.9

90%