Key Instant Recall Facts

Year 6 – Summer Term 5

By the end of this half term, children should know the following facts. The aim is for them to recall these facts with speed and accuracy:

I know common fraction, percentage and decimal equivalences

Children should be able to convert between decimals, fractions and percentages for 1/2, 1/4, 1/5 and any number of tenths and hundredths.

$^1/_2$	=	0.5	=	50%
$^1/_4$	=	0.25	=	25%
$^3/_4$	=	0.75	=	75%
$^1/_{10}$	=	0.1	=	10%
$^3/_{10}$	=	0.3	=	30%
$^1/_5$	=	0.2	=	20%
$^3/_5$	=	0.6	=	60%
$^1/_8$	=	0.125	=	12.5%
$^1/_{100}$	=	0.01	=	1%

Key vocabulary:

fraction
decimal number
Integer
percentage
numerator
denominator
tenth
hundredth

Top tips

The secret to success is practising little and often. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Play games—use the attached cards with equivalent fractions, decimals and percentages. Use these to play snap or a memory game. Make your own dominoes with fractions on one side and percentages or decimals on the other. Or play the online game https://nrich.maths.org/problems/matching-fractions-decimals-and-percentages

Match the following decimal numbers, percentages and fractions.

0.3	50%	$\frac{2}{5}$	0.25	$\frac{1}{2}$	12.5%
0.5	40%	$\frac{1}{5}$	0.375	$\frac{1}{8}$	50%
0.4	70%	$\frac{7}{10}$	0.75	$\frac{7}{8}$	87.5%
0.7	20%	$\frac{1}{2}$	0.5	$\frac{3}{8}$	25%
0.9	30%	$\frac{9}{10}$	0.125	$\frac{1}{4}$	75%
0.2	90%	$\frac{3}{10}$	0.875	$\frac{3}{4}$	37.5%

Write the equivalent fraction (in its simplest form) to the following:

75% =	30% =	15% =	90% =	50% =	35% =
0.6 =	0.95 =	0.1 =	0.25 =	0.625 =	0.2 =
25% =	0.9 =	0.5 =	5% =	0.4 =	85% =

Write the equivalent decimal and percentage to the following:

$\frac{1}{2}$ =	$\frac{3}{4}$ =	$\frac{1}{5}$ =	$\frac{1}{3}$ =
$\frac{4}{5}$ =	$\frac{3}{8}$ =	$\frac{1}{10}$ =	$\frac{1}{6}$ =
$\frac{7}{10}$ =	$\frac{2}{5}$ =	$\frac{5}{8}$ =	$\frac{7}{20}$ =

Write the missing equivalent fraction (in its simplest form), decimal or percentage as needed.

0.7 =	$\frac{1}{8}$ =	75% =
20% =	0.01 =	$\frac{2}{3}$ =