

KEY INSTANT RECALL FACTS

YEAR 5 – SUMMER 1

I KNOW HOW TO RECALL PERCENTAGE AND DECIMAL EQUIVALENTS

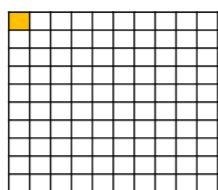
By the end of this term, children should be able to instantly recall percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{10}$, $\frac{1}{5}$ and $\frac{1}{100}$

Please note, where we have provided links to online activities we expect children to seek parent/carer permission to do this first.

Year 5 children have been introduced to percentages and their fraction and decimal equivalents. It is important they know the following:

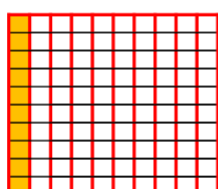
Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{1}{10}$	0.1	10%
$\frac{1}{5}$	0.2	20%
$\frac{1}{100}$	0.01	1%

Before trying to match equivalent fractions, decimals and percentages, it is important you remember what a percentage is.



= one hundredth

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



= $\frac{10}{100}$ = ten hundredths

$$= \frac{1}{10} \quad \left. \begin{array}{l} \div 10 \\ \div 10 \end{array} \right\} = \text{one tenth} = 0.1 \quad 10\%$$

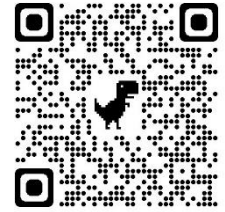
percentage

'out of' 'one hundred'

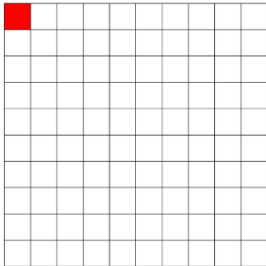
Percentage Quiz

Let's make sure you are secure with simple percentages. Take the quiz:

<https://wordwall.net/resource/36310/percentage-quiz>



What percentage is red?



A 1%

B 10%

C 11%

D 99%

TOP TIPS

The secret to success is practicing little and often. With regular practice you will soon be able to instantly state what $\frac{1}{5}$ is as a percentage or what 25% is as a decimal number. Many of these games are variations on the same theme, so lots of opportunities to practice.

Fractions, decimals and percentages matching game:

<https://mathsframe.co.uk/en/resources/resource/120/match-fractions-decimals-and-percentages>



Click on 'PLAY GAME' and then choose 'LEVEL 1'

If you are feeling confident, play 'CLAW' to see how many prizes you can win in the given time:



<http://fluencychallenge.com/play/play-claw.html>

Simply click 'START' and then slide the red button to the position on the decimal number line that is equivalent to the target percentage.






Fractions, Decimals and Percentages Pairs Game

Do you know the old fashioned game of pairs? You use your memory to match pairs of cards. This online version allows you to match fractions, decimals, percentages and a visual representation.

<https://nrich.maths.org/1249>



		$\frac{9}{10}$	$\frac{1}{4}$
0.9	25%	70%	0.6
	80%	0.75	30%
0.7	10%	0.3	0.8

1. Click the purple settings icon.



2. Choose your settings. We recommend turning the timer off to start with and placing the cards face down. You may want to make the screen as big as possible by choosing to open the game in a separate pop up window.

