

Half Acres Primary Academy

MATHS CHALLENGE 14

TASK	Equivalent fractions, decimals and percentages
REWARD	Stop watch

Fraction Wall

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

The fraction wall above will help with finding equivalent fractions. For example $\frac{2}{4}$ is the same as $\frac{1}{2}$. To make an equivalent fraction multiply or divide both the denominator and the numerator. Know equivalent fractions eg

$\frac{1}{2}$	$\frac{2}{4}$	$\frac{4}{8}$	$\frac{5}{10}$	$\frac{50}{100}$
$\frac{1}{4}$	$\frac{2}{8}$	$\frac{3}{12}$	$\frac{4}{16}$	$\frac{5}{20}$
$\frac{1}{3}$	$\frac{2}{6}$	$\frac{3}{9}$	$\frac{4}{12}$	$\frac{5}{15}$
$\frac{1}{5}$	$\frac{2}{10}$	$\frac{4}{20}$	$\frac{20}{100}$	

fractions	decimals	percentages
$\frac{1}{10}$	0.1	10%
$\frac{2}{10}$	0.2	20%
$\frac{3}{10}$	0.3	30%
$\frac{4}{10}$	0.4	40%
$\frac{5}{10}$	0.5	50%
$\frac{6}{10}$	0.6	60%
$\frac{7}{10}$	0.7	70%
$\frac{8}{10}$	0.8	80%

fractions	decimals	percentages
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{5}$	0.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{3}{5}$	0.6	60%
$\frac{4}{5}$	0.8	80%
$\frac{1}{3}$	0.33r	33.33%