

I can **understand** how to convert fractions to decimals

Convert these fractions (remember – some of these you should just know!)

$\frac{1}{2} =$	$\frac{2}{3} =$	$\frac{1}{8} =$	$\frac{3}{4} =$
$\frac{1}{3} =$	$\frac{1}{4}$	$\frac{1}{5} =$	

Convert these fractions into decimals using your understanding of **10s 100s and 1000s**

$\frac{6}{25} =$	$\frac{7}{20} =$	$\frac{42}{200} =$	$\frac{15}{50} =$
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Convert these fractions into decimals using **short division**.

$\frac{4}{9} =$	$\frac{6}{8} =$
$\frac{4}{36} =$	$\frac{24}{30} =$
$\frac{4}{3} =$	$\frac{12}{5} =$

Reasoning

Write the missing numbers in these equivalent fractions and decimals

$$\frac{\quad}{220} = 0.1 \quad \frac{360}{\quad} = 0.6 \quad \frac{\quad}{400} = 0.55$$

Answers

Convert these fractions (remember – some of these you should just know!)

$\frac{1}{2} = 0.5$	$\frac{2}{3} = 0.66$	$\frac{1}{8} = 0.125$	$\frac{3}{4} = 0.75$
$\frac{1}{3} = 0.33$	$\frac{1}{4} = 0.25$	$\frac{1}{5} = 0.2$	

Convert these fractions into decimals using your understanding of **10s 100s and 1000s**

$\frac{6}{25} = 0.24$	$\frac{7}{20} = 0.35$	$\frac{42}{200} = 0.21$	$\frac{15}{50} = 0.3$
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Convert these fractions into decimals using short division.

$\frac{4}{9} = 0.44$	$\frac{6}{8} = 0.75$
$\frac{4}{36} = 0.11$	$\frac{24}{30} = 0.8$
$\frac{4}{3} = 1.33$	$\frac{12}{5} = 2.4$

Reasoning

Step one – **convert** to fractions

$\frac{?}{220}$	=	$\frac{1}{10}$	$\frac{360}{?}$	=	$\frac{6}{10}$	$\frac{?}{400}$	=	$\frac{55}{100}$
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Step two – look at the **link** between the **denominator and numerators**

X 22			X 60			X 4		
$\frac{?}{220}$	=	$\frac{1}{10}$	$\frac{360}{?}$	=	$\frac{6}{10}$	$\frac{?}{400}$	=	$\frac{55}{100}$
X 22			X 60			X 4		

Step three – calculate and place the values in the correct place ☺

$$\frac{\boxed{22}}{220} = 0.1 \quad \frac{360}{\boxed{600}} = 0.6 \quad \frac{\boxed{220}}{400} = 0.55$$