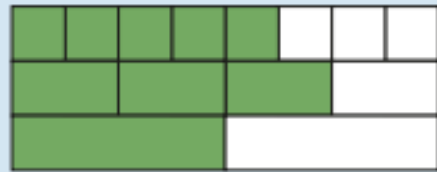


Use equivalence to compare

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



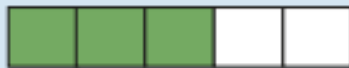
$$\frac{3}{4} = \frac{6}{8}$$

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

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



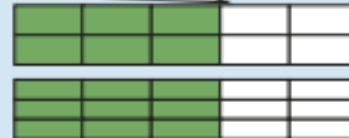
$$\frac{3}{5}$$



If there are 2 times as many equal parts, then there are 2 times as many shaded parts

$$\frac{3}{5} = \frac{6}{10}$$

$$\frac{3}{5} = \frac{9}{15}$$



Decimals as fractions



$$0.3 = \frac{3}{10}$$

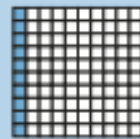


$$0.23 = \frac{23}{100}$$



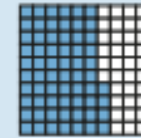
$$0.241 = \frac{241}{1000}$$

denominator
numerator
equivalence
thousandths
percentage

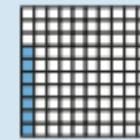


$$\frac{10}{100} = \frac{1}{10}$$

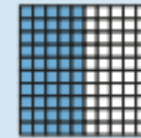
Percentage, decimal, fraction equivalence



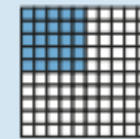
$$\frac{64}{100} = 0.64 = 64\%$$



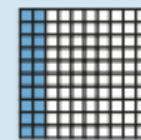
$$\frac{7}{100} = 0.07 = 7\%$$



$$\frac{1}{2} = \frac{50}{100} = 0.5 = 50\%$$



$$\frac{1}{4} = \frac{25}{100} = 0.25 = 25\%$$



$$\frac{1}{5} = \frac{20}{100} = 0.2 = 20\%$$

If I know $\frac{1}{5} = 20\%$ then I also know... because...

Year 5 Term 4



M	HTh	TTh	Th	100s	10s	1s	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					1	3	6		
				1	3	6			
		1	3	6	0	0			
							1	3	6
							0	1	3

Ten times greater

Ten times smaller

Converting units by multiplying and dividing by 10, 100 and 1000

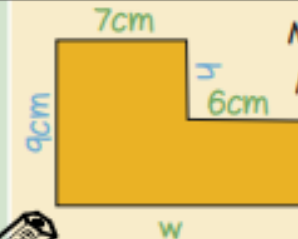
136×10
move digits 1 place left

136×1000
move digits 3 places left

$136 \div 10$
move digits 1 place right

$136 \div 100$
move digits 2 places right

imperial metric convert
perimeter
rectilinear

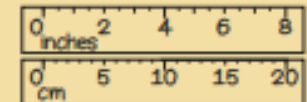


Missing width = $w = 7 + 6 = 13\text{cm}$

Missing height = $h = 9 - 4 = 5\text{cm}$

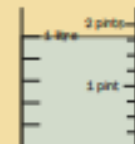
Perimeter
= $9 + 7 + h + 6 + 4 + w$
= 44cm

2.5cm = approximately 1 inch



1kg = approximately 2 pounds

1 litre = approximately 2 pints



1m = 100 cm
 $13.6 \times 100 = 1360$
so 13.6m = 1360cm

1km = 1000 m
 $13.6 \times 1000 = 13600$
so 13.6km = 13,600m

1l = 1000 ml
 $13600 \div 1000 = 13.6$
so 13,600ml = 13.6litres

1cm = 10 mm
 $13.6 \times 10 = 136$
so 13.6cm = 136mm

When converting from a larger unit to a smaller unit, multiply because there will be more of them.

1kg = 1000 g
 $1360 \div 1000 = 1.36$
so 1360g = 1.36kg

