

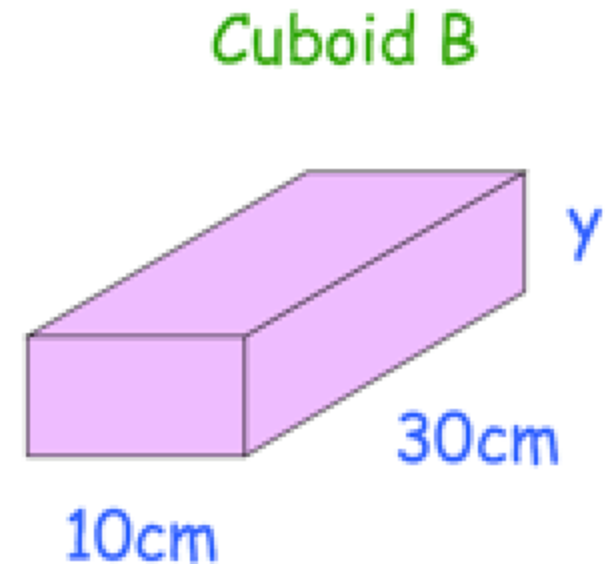
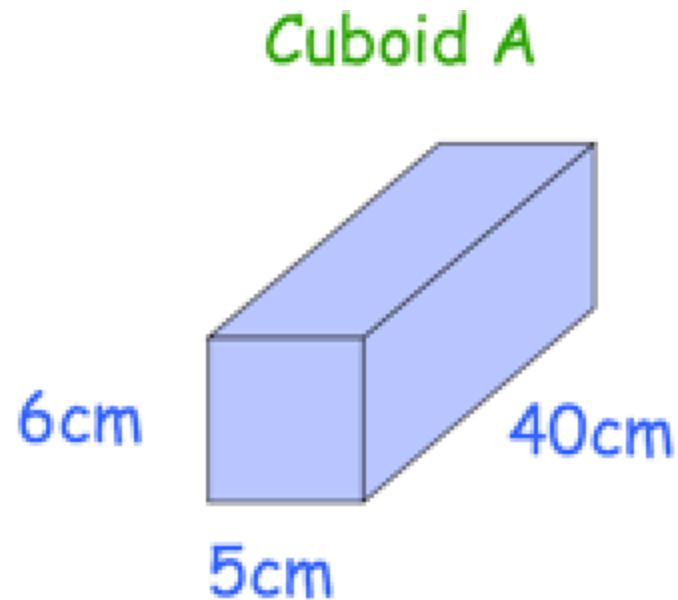
Fractions, Decimals and Percentages

- Recognise and calculate equivalences between common fractions, percentages and decimals.

Recap

Cuboid A and Cuboid B have the same volume.

Calculate the missing height of the cuboid B.



Complete the table below

Fractions	Decimals	Percentages
$\frac{1}{2}$	0.5	
	0.25	25%
$\frac{75}{100}$		75%
$\frac{1}{5}$	0.2	
	0.1	10%

Fractions, Decimals and Percentages

1. Write each of these percentages as a fraction in its lowest terms.

a. 8% b. 50% c. 35%

2. Write each percentage as a decimal.

a. 27% b. 85% d. 6%

3. Write each fraction as a decimal.

a. $\frac{1}{20}$ b. $\frac{3}{40}$ c. $\frac{19}{25}$

Fractions, Decimals and Percentages

1. Write each decimal as a fraction in its lowest terms.

a. 0.12 b. 0.4 c. 0.45

2. Write each decimal as a percentage.

a. 0.29 b. 0.55 c. 0.03

3. Write each fraction as a percentage.

a. $\frac{7}{25}$ b. $\frac{3}{10}$ c. $\frac{15}{20}$

Comparing Fractions, Decimals and Percentages

Which is larger? Show your working out.

a. 78% or 0.8

b. $\frac{1}{5}$ or 0.23

c. $\frac{3}{4}$ or 0.73

Practice Questions

Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	
	0.75	75%
$\frac{2}{5}$		40%

Practice Questions

Penny gets £8 pocket money.
She is given an increase of £1.

(a) Write down £1 as a fraction of £8

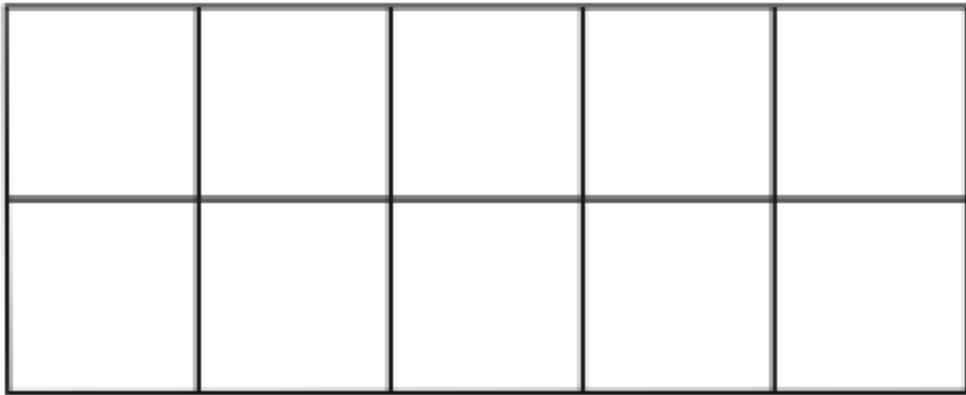
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(1)

(b) Write your answer as a percentage

.....
(1)

Practice Questions

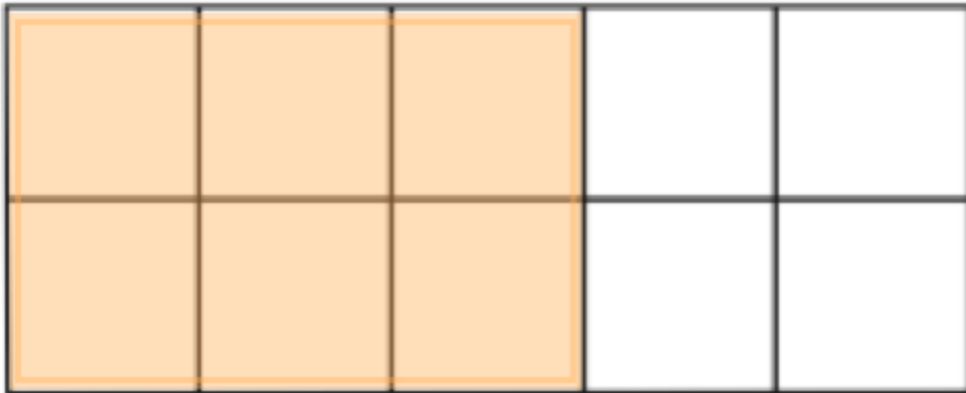
Shade 0.4 of this shape.



(1)

Practice Questions

What percentage of this shape is shaded?



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(1)

Practice Questions

Samuel says that 25% is greater than 0.3.

Is he correct?

Explain your answer.

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(1)