



Name: _____



Calculate the volume of these **cubes**. State the units of your answer.

a) 4cm 64cm³	b) 3mm 27mm³	c) 8m 512m³
d) 5m 125m³	e) 9m 729m³	f) 7mm 343mm³
g) x Calculate the value of x if the volume is 1000cm ³ 10cm	h) x Calculate the value of x if the volume is 27m ³ 3m	i) x Calculate the value of x if the volume is 512cm ³ 8cm

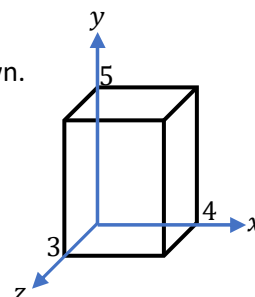
Calculate the volume of these **cuboids**:

j) 6m 3m 5m 90m³	k) 4mm 3mm 7mm 84mm³	l) 5cm 2cm 7cm 70cm³
m) 6m 1m 3m 18m³	n) 12cm 6cm 3cm 216cm³	o) 3.5m 4m 6m 84m³
p) 6m 3m x Calculate the value of x if the volume is 72m ³ 4m	q) 4cm 5cm x Calculate the value of x if the volume is 140cm ³ 7cm	r) 4m x 4m Calculate the value of x if the volume is 48m ³ 3m

Exam question:

A cuboid is drawn on a centimetre 3D coordinate grid, as shown. Work out the volume of the cuboid.

60cm³



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Calculate the total **volume** of these shapes built from 1cm cubes:

a) 6cm²	b) 9cm²	c) 9cm²
d) 10cm²	e) 8cm²	f) 12cm²
g) 12cm²	h) 12cm²	i) 36cm²
j) 10cm²	k) 11cm²	l) 10cm²
m) 15cm²	n) 18cm²	o) 17cm²
p) 12cm²	q) 17cm²	r) 22cm²
s) 22cm²	t) 24cm²	u) 21cm²



Exam question:

A **solid** shape is made out of 1m cubes.
Calculate the total volume of the cuboid.

27cm²

