



THIRD SPACE
LEARNING

GCSE Exam Questions

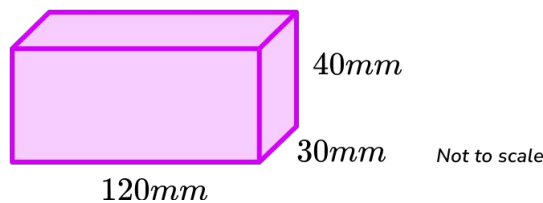
Compound Measures | Ratio &
Proportion

GCSE Exam Questions: Compound Measures

- 1) Sara jogs for 20 mins at a speed of 12 km/h .
Work out the distance Sue jogs.

(3 marks)

- 2) (a) Jai has a metal bar. It is a cuboid with dimensions 120 mm by 30 mm by 40 mm :



Calculate the volume of the metal bar.
Give your answer in cm^3 .

----- cm^3

(3)

- (b) The metal has a mass of 1120 g .

Here is a table of densities of metals.

| Metal | Density (g/cm^3) |
|-------|-----------------------------|
| Steel | 7.8 |
| Lead | 11.3 |
| Gold | 19.3 |

Jai thinks the bar is made from gold.
Is he correct?

(3)

(6 marks)

GCSE Exam Questions: Compound Measures

- 3) A force of 480 N is applied to an area.

The pressure exerted is 16 N/m^2 .

Calculate the area.

----- m^2

(2 marks)

- 4) (a) Ben drives 64 km from Town A to Town B at an average speed of 80 km/h .

How long did the journey take?

(2)

- (b) Ben then drives 35 km from Town B to Town C in 30 minutes.

Calculate the average speed for his total drive from Town A to Town C in kilometres per hour.

Give your answer to 3 significant figures

(2)

(4 marks)

GCSE Ratio and Proportion | GCSE Exam Questions | Compound Measures Answers

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