



Aberdare Community School
Mathematics Department

WJEC GCSE

Higher – Calculator

Shape

Density

Name:

Set:

Date:

Teacher:

10. A cylinder has a cross-sectional area of 22.3 cm^2 and a length of 18.4 cm . It is made from material that has a density of 5.21 g/cm^3 . Calculate the mass, in kg, of the cylinder.

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[3]

13. The table below gives the density of 3 metals.

Metal	Density
Platinum	21.4 g/cm ³
Gold	19.3 g/cm ³
Silver	10.5 g/cm ³

Density can also be measured in 'troy ounces/cubic inch'.

The density of gold is 10.13 troy ounces/cubic inch.

Calculate the density of platinum in troy ounces/cubic inch.

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Platinum = troy ounces/cubic inch.

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