Density and Volume

Name:	Class:	Date:		
		Mark	/5	%
1) The mass of 6 m^3 of	of zinc is 42840 kg. Find the der	nsity of zinc in kg/m ³ .		[1]
2) The density of gold	t is 19.3 g/cm ³ . Find the mass o	f 9 cm ³ of gold in grams.		[1]
3) The density of mer centimetres.	cury is 13.53 g/cm ³ . Find the vo	blume of 108.24 grams of	mercury in cubic	

4) Find the density of the wooden cube below, given that it has a mass of 307.2 grams.[1]



5) The dimensions of a gold bar are shown below.



Gold has a density of 19.3 g/cm 3 .

a) Find the mass of the gold bar in grams.

b) Find the value of the gold bar (to the nearest pound) if gold is sold at £26.6 per gram.

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Solutions for the assessment Density and Volume

5) a) Mass = 6948 g, b) Value = \pounds 184817