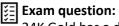
## Density = Mass/Volume Name: maths-school.co.uk Clearly state the units of your answers Calculate the density of an object: d) With a mass of 4kg and volume 500cm<sup>3</sup> a) With a mass of 24g and volume 6cm<sup>3</sup> b) With a mass of 49kg and volume 7m<sup>3</sup> e) With a mass of 6300g and volume 2.1m<sup>3</sup> c) With a mass of 96g and volume 12cm<sup>3</sup> f) With a mass of 3600g and volume 0.8m<sup>3</sup> Calculate the mass of an object: g) With a volume of 5cm³ and density 6g/cm³ j) With a volume of 45cm<sup>3</sup> and density 1.5g/cm<sup>3</sup> h) With a volume of 7m<sup>3</sup> and density 9kg/m<sup>3</sup> k) With a volume of 4m<sup>3</sup> and density 5.4kg/m<sup>3</sup> i) With a volume of 5cm<sup>3</sup> and density 24g/cm<sup>3</sup> I) With a volume of 7.2m<sup>3</sup> and density 3.5kg/m<sup>3</sup> Calculate the volume of an object: m) With a mass of 32kg and density 4kg/cm<sup>3</sup> p) With a mass of 1400g and density 2kg/m<sup>3</sup> n) With a mass of 24g and density 3g/cm<sup>3</sup> q) With a mass of 6.6kg and density 12g/cm<sup>3</sup> o) With a mass of 15.8kg and density 10kg/m<sup>3</sup> r) With a mass of 840g and density 0.5g/cm<sup>3</sup>



24K Gold has a density of has 19.3g/cm<sup>3</sup>. If the volume of a 24K Gold statue is 14 cm<sup>3</sup> Find the mass of the statue to the nearest gram.

