Density = Mass/Volume

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Name:

Calculate the density of an object: **Clearly state the units of your answers**

a) With a mass of 24g and volume 6cm³

b) With a mass of 49kg and volume 7m³

c) With a mass of 96g and volume 12cm³

d) With a mass of 4kg and volume 500cm³

e) With a mass of 6300g and volume 2.1m³

f) With a mass of 3600g and volume 0.8m³

Calculate the mass of an object:

g) With a volume of 5cm³ and density 6g/cm³

h) With a volume of 7m³ and density 9kg/m³

i) With a volume of 5cm³ and density 24g/cm³

j) With a volume of 45cm³ and density 1.5g/cm³

k) With a volume of 4m³ and density 5.4kg/m³

l) With a volume of 7.2m³ and density 3.5kg/m³

Calculate the volume of an object:

m) With a mass of 32kg and density 4kg/cm³

n) With a mass of 24g and density 3g/cm³

o) With a mass of 15.8kg and density 10kg/m³

p) With a mass of 1400g and density 2kg/m³

q) With a mass of 6.6kg and density 12g/cm³

r) With a mass of 840g and density 0.5g/cm³

Exam question:
24K Gold has a density of has 19.3g/cm³.
If the volume of a 24K Gold statue is 14 cm³
Find the mass of the statue to the nearest gram.