



A and B are similar cuboids

volume of A: volume of B = 8 : 1000

Work out

surface area of B: surface area of A

How many even numbers greater than 40000 can be created using the digits

1 2 5 8 9

using each digit once?

Find the coordinates where the line $x + y = 3$ and the curve $x^2 + 3y = 27$ intersect

$\frac{61}{330}$ $0.1\overline{78}$ 3^{-2} $\frac{19}{110}$

Arrange in order from smallest to largest

A solid metal cube has a side length of 6cm to 2 significant figures.

The mass of the cube is 3.2×10^3 grams correct to 2 significant figures.

Work out the upper bound for the density of the metal.