

**28th December**

Corbettmaths

A circular plaque of diameter 10cm is cut from a square piece of metal with side length 10cm.

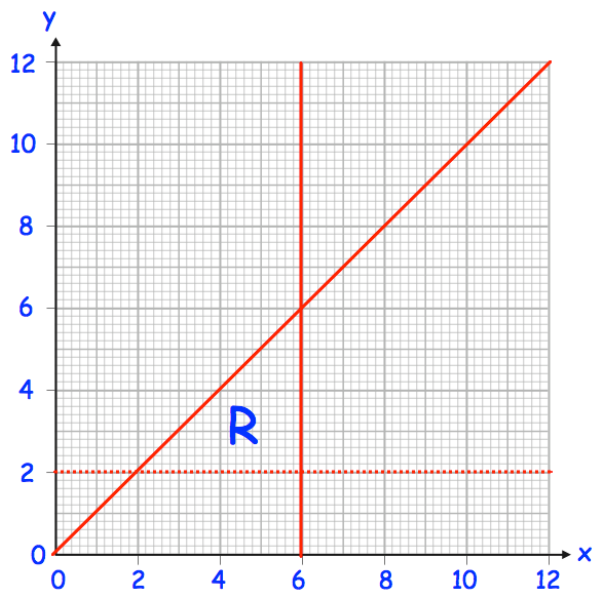
What percentage of the metal is wasted?

Work out

$$4^0$$

Evaluate

$$27^{2/3}$$



The region labelled R satisfies three inequalities.

State the three inequalities

The areas of two mathematically similar shapes are in the ratio 49 : 81  
 The length of the smaller shape is 24.5cm  
 Work out the length of the larger shape.