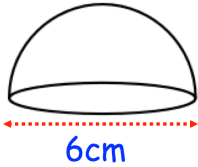




Solve

$$y^2 \geq 144$$



The paperweight is a hemisphere with diameter 6cm.

The glass has a density of 3g/cm^3 .

Calculate the mass of the paperweight.

Expand and simplify

$$(x - 5)^3$$

In Year 10 there are 35 girls.
Two of the girls are going to be chosen at random to go on a trip.

Work out the number of different pairs that can be chosen.

Solve the equation

$$\frac{3}{2x - 1} = 1 + \frac{4}{3x - 1}$$