

21st December

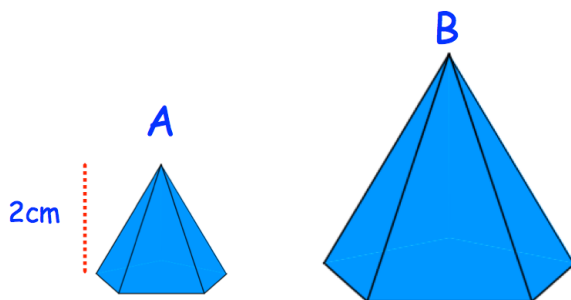
Corbettmaths

Matt invests some money at 5% interest per annum for four years. After four years, Matt has £48620.25 in the bank. How much did he invest originally?

Solve

$$\frac{2}{3}x - 3y = 7$$

$$\frac{1}{2}x - 7y = 10$$



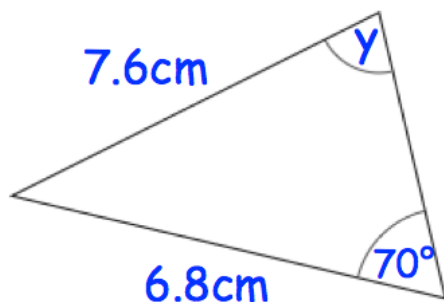
Two pyramids are mathematically similar.

Pyramid A has a surface area of 20cm^2

Pyramid B has a surface area of 320cm^2

The height of pyramid A is 2cm

Work out the height of pyramid B.

Find y .

Solve

$$6y^2 + 17x - 39 = 0$$