



Factorise

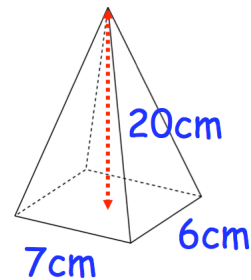
$$x^2 - 7x + 12$$

420 people visit a museum during one day.

The ratio children : adults is 2 : 5

How many more adults than children visited the library?

Calculate the volume of the pyramid.



Solve

$$y^2 - 7y - 18 = 0$$

A radioactive substance decays over time.
Every year its mass decreases by 8%.

How many years will it take for 200kg of the substance to decay to a mass less than 80kg?