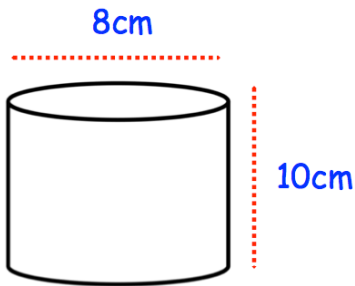


3rd December



Corbettmaths



Calculate the volume.
Give your answer in terms of π

A shop is having a sale.
There is a 30% discount on all TVs and 20% discount on all DVD players.

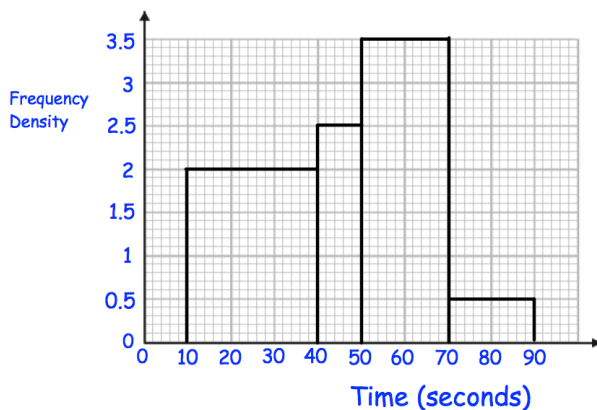
In the sale, Jimmy buys a TV for £224 and a DVD player for £48.

How much would the TV and DVD player cost normally?

A radioactive substance decays with time.
The mass of the substance reduces by 8% each year.

How many years will it take for 400kg of the substance to decay to a mass of less than 100kg?

A group of students were asked to complete a puzzle.
The histogram shows the distribution of the times taken.



Work out how many students took between 40 and 50 seconds to complete the puzzle.

Calculate an estimate of the number of students who took over 60 seconds to complete the puzzle.