

~~m4~~ =32 days to go!

- 7 Peter, Jack and Colin share a flat. They pay the rent monthly.

Peter pays 30% of the monthly rent.

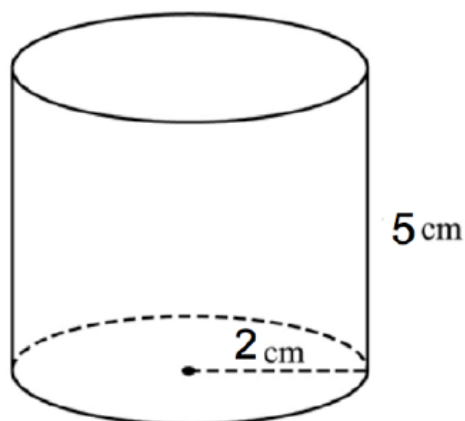
Jack pays $\frac{3}{8}$ of the monthly rent.

Colin pays £520 of the monthly rent.

Calculate the total monthly rent for the flat.

Answer £ _____ [5]

1. Below is a cylinder with radius 2cm and height 5cm.

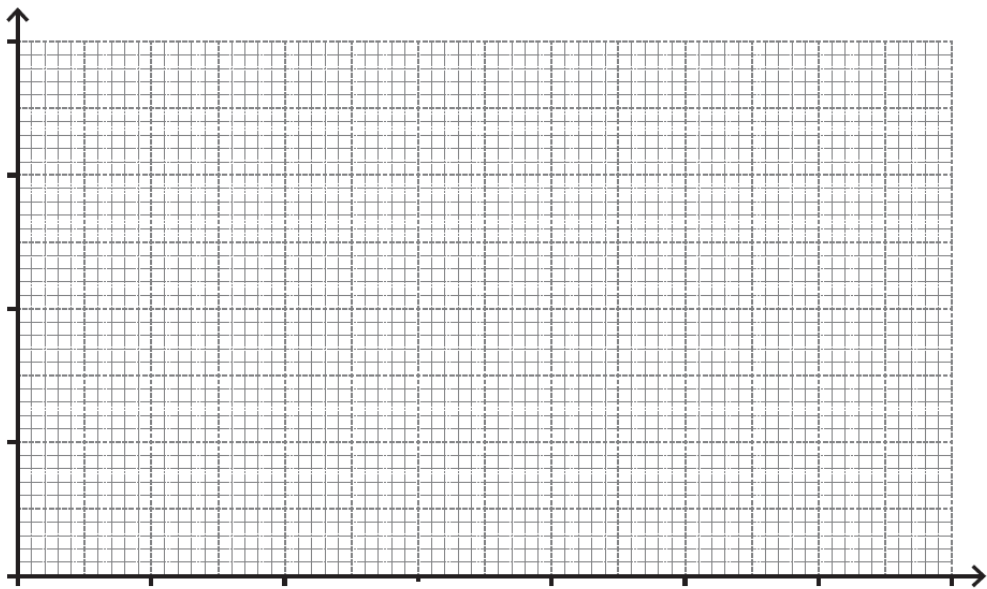


Calculate the surface area of the cylinder.

16 The weights, in grams, of a collection of waste bags from a hospital are shown.

Weight, w (g)	Frequency
$0 < w \leq 20$	5
$20 < w \leq 30$	8
$30 < w \leq 45$	24
$45 < w \leq 55$	38
$55 < w \leq 95$	64
$95 < w \leq 115$	36
$115 < w \leq 140$	45

(a) Draw a histogram on the axes provided to illustrate this data.



[3]

(b) Estimate the number of bags which weighed more than 60 g.

Answer _____ [2]

A stratified sample of 70 bags was selected from those with weights less than or equal to 95 g.

(c) Estimate how many of this sample weighed less than 40 g.