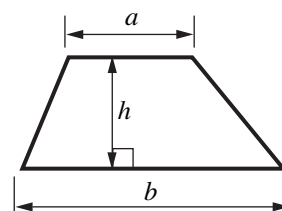
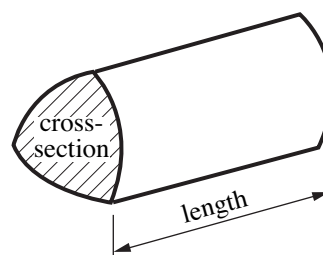


Formulae Sheet

Area of trapezium $= \frac{1}{2} (a + b)h$



Volume of prism $= (\text{area of cross-section}) \times \text{length}$



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1 Work out.

(a) 28×100

(a)..... [1]

(b) 1.6×2

(b) [1]

(c) $6.5 \div 5$

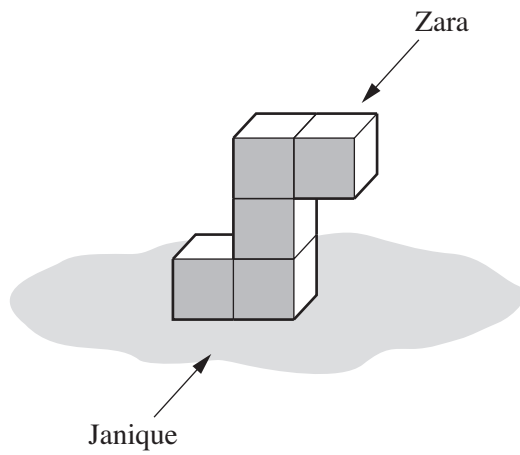
(c)..... [1]

(d) $\frac{3}{4}$ of 20

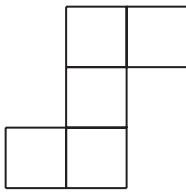
(d) [2]

5	

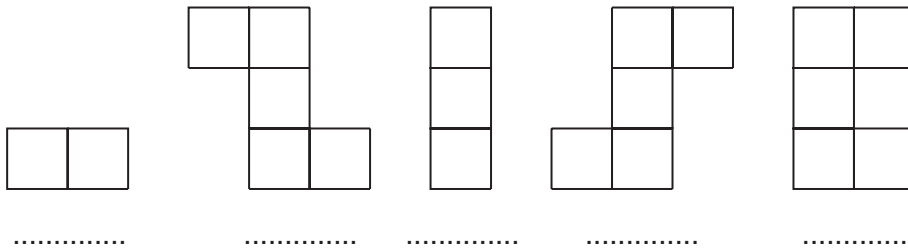
- 2 (a) Janique makes a shape with 5 cubes.
She puts it on the table between her and Zara.



This is the view that Janique sees.

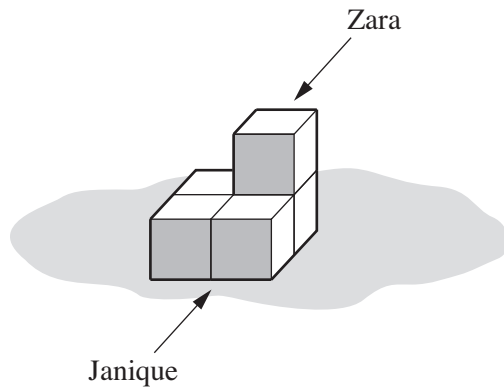


Put a tick (✓) under the view that Zara sees.

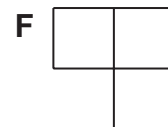
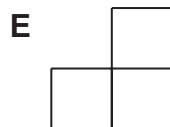
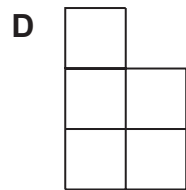
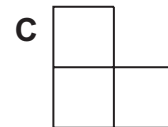
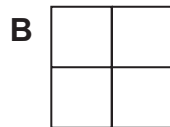
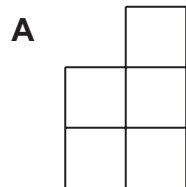


[1]

(b) Janique now makes this shape with 5 cubes.



Here are some views of shapes.



Complete these sentences.

Janique sees view

Zara sees view

[2]

3	

- 3 Sam earns £6 per hour.
One week he works for 35 hours.

He saves 20% of his total earnings for the week.

How much money does he save?

You must show your working.

£ [4]

4

- 4 (a) Chris enters a sponsored run.
He runs 10 km.

Complete his sponsor form for the race.

Sponsored 10 km run		
Name	Amount per kilometre	Total
John	£1·00	£10·00
Hendrika	60p
Nancy	£1·25
Dan	£1·50

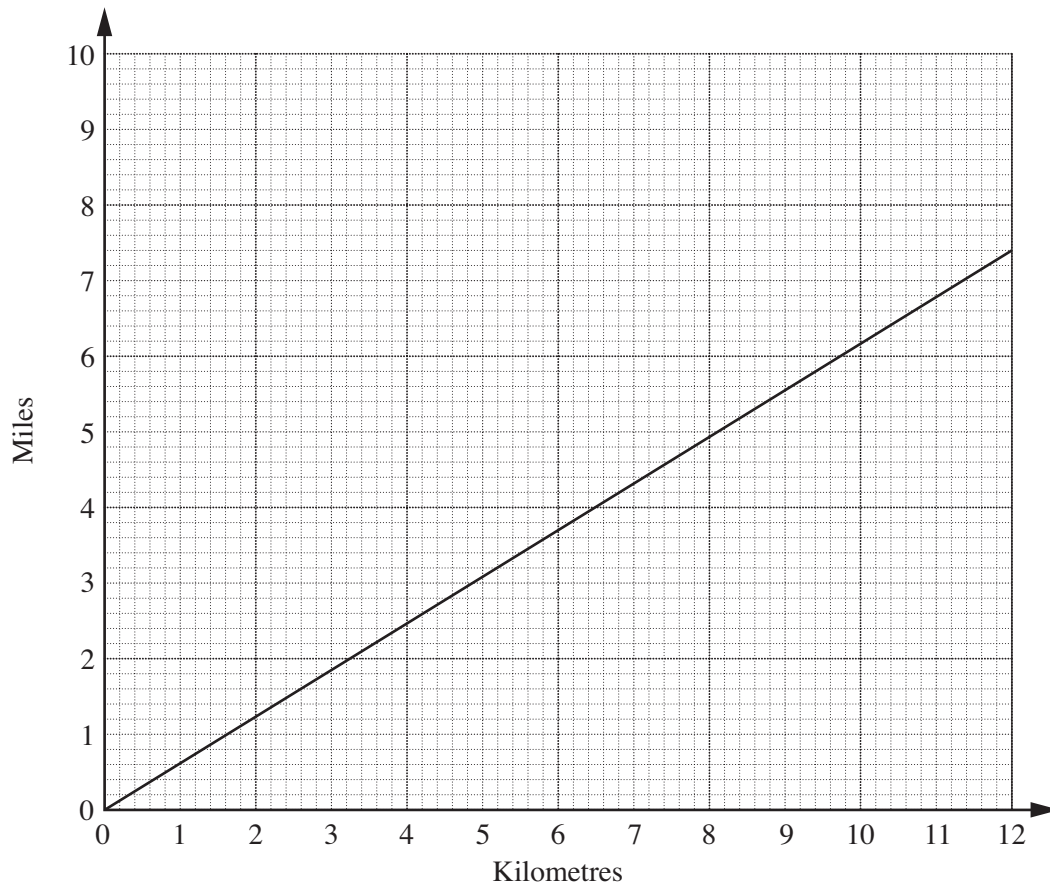
[3]

- (b) The entrance fee for the race is £15.
 $\frac{2}{5}$ of the entrance fee goes to charity.

Work out $\frac{2}{5}$ of £15.

(b) £ [2]

- (c) This graph can be used to convert between kilometres and miles.



- (i) Chris runs 10 km.

How far is this in miles?

(c)(i) miles [1]

- (ii) The junior race is 3 miles long.

How far is this in kilometres?

(ii) km [1]

7

- 5 (a) Ross has a conservatory of length 5 metres and width 3 metres.

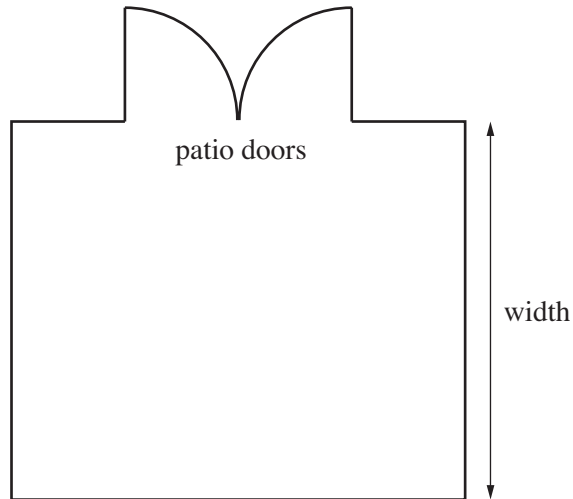
He uses this rule to work out the number of floor tiles he needs.

Multiply the length in metres by the width in metres
then multiply by 4

How many floor tiles does Ross need?

(a)..... [2]

- (b) This is a plan view of Kate's conservatory.



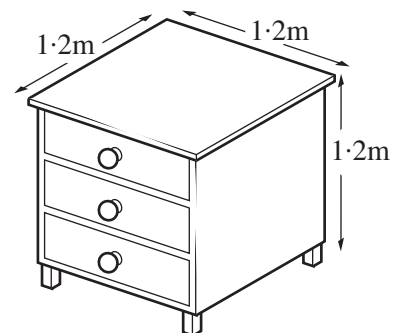
Scale:
2 cm to 1 m

- (i) Find the real width of the conservatory.

(b)(i)..... m [2]

- (ii) Kate has a cupboard with sides 1.2 metres.

Will it fit through the patio doors?
Explain your answer.



..... because

..... [2]