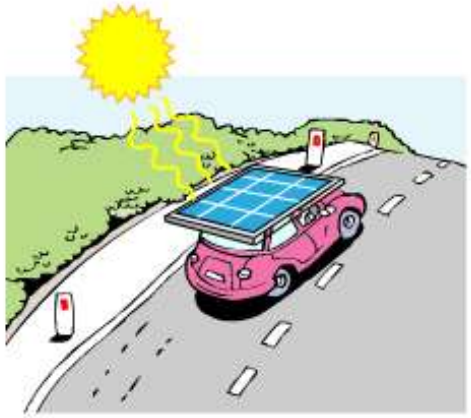
In one hour a solar vehicle travelled 42 kilometres and 65 metres.



What is that distance in metres?

- 42.65
- 4265
- 42 065
- 42 650

Trevor cut a 60-cm length of metal into equal lengths.

He used the lengths as the edges of a cube.

What is the length of each side of his cube?

- ⬭ 5 cm
- ⬭ 6 cm
- ⬭ 10 cm
- ⬭ 12 cm

The table shows the results of a maths quiz of 20 Year 6 students.

Mark	*Number of students*
5	2
6	3
7	4
8	6
9	4
10	1

What fraction of the students scored at least 7?

- $\frac{1}{5}$
- $\frac{11}{20}$
- $\frac{2}{3}$
- $\frac{3}{4}$

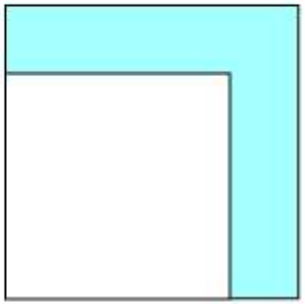
Sharn draws a rectangle.

The length of her rectangle is twice its breadth.

If the perimeter of the rectangle is 24 centimetres, what is the area of Sharn's rectangle?

- $18\ cm^2$
- $32\ cm^2$
- $96\ cm^2$
- $128\ cm^2$

The diagram shows two squares.



(Not to scale)

The length of each side of the small square is 3 centimetres while the length of each side of the large square is 4 centimetres.

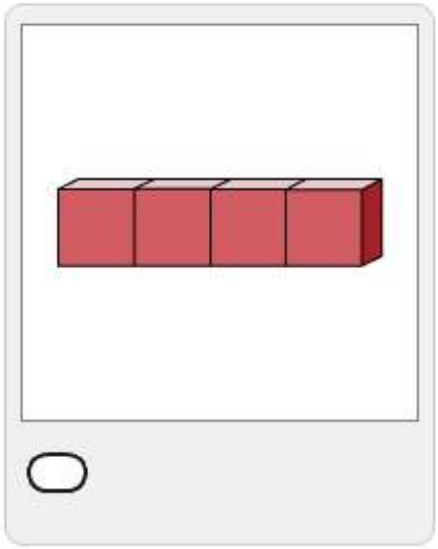
What is the area of the shaded section?

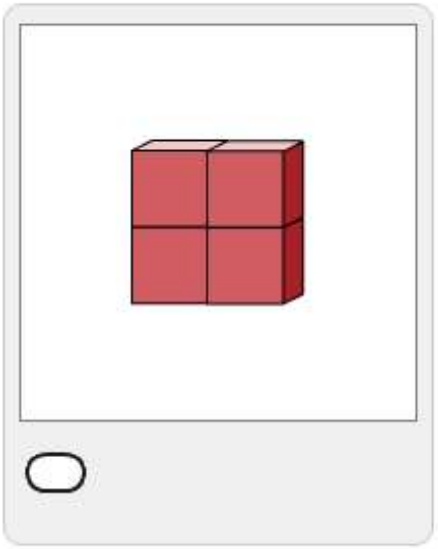
- 1 cm^2
- 7 cm^2
- 9 cm^2
- 10 cm^2

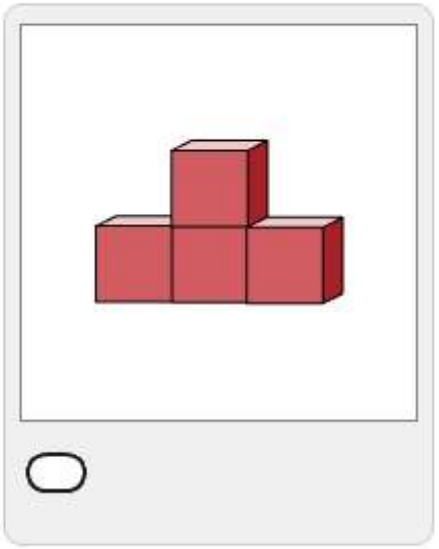
Solids have been made from four identical cubes.

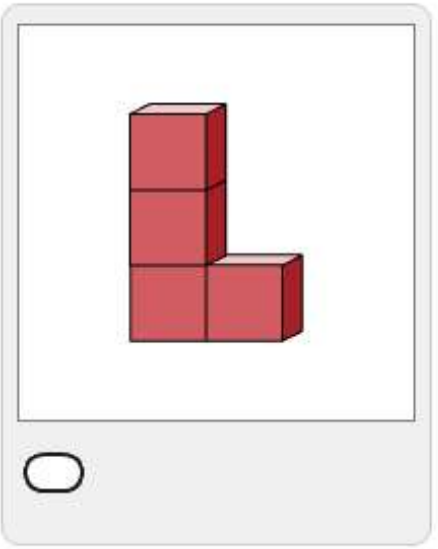
The surface area of a solid is the total area of all its faces.

The surface area is smallest for which solid?

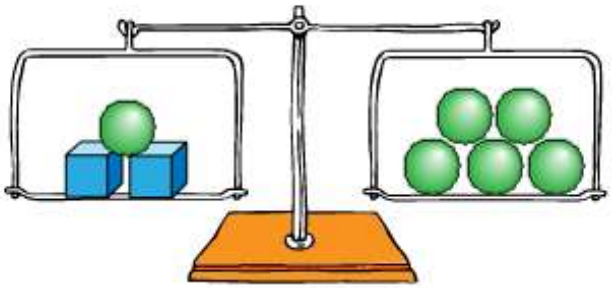








The diagram shows a balance with balls and blocks.



The mass of a ball is 2 kilograms.

What is the mass of eack block ?

- 1 kg
- 2 kg
- 3 kg
- 4 kg

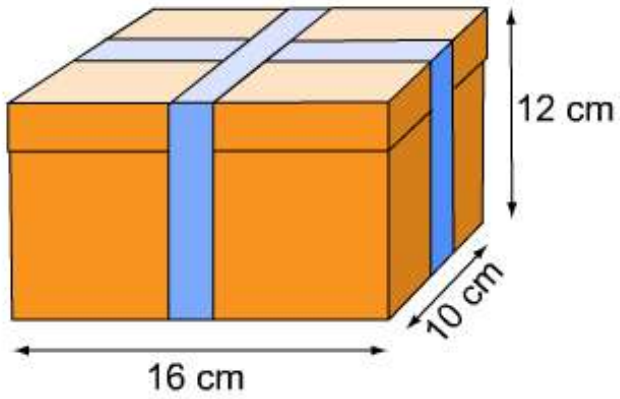
Every day Joe walked 3.5 kilometres.

How far did he walk in one week?

- 3.5 km
- 21 km
- 23.5 km
- 24.5 km

A rectangular box is 16 cm long, 10 cm wide and 12 cm high.

A ribbon is wrapped around the box **as shown in the diagram**.



What is the length of ribbon that has been used?

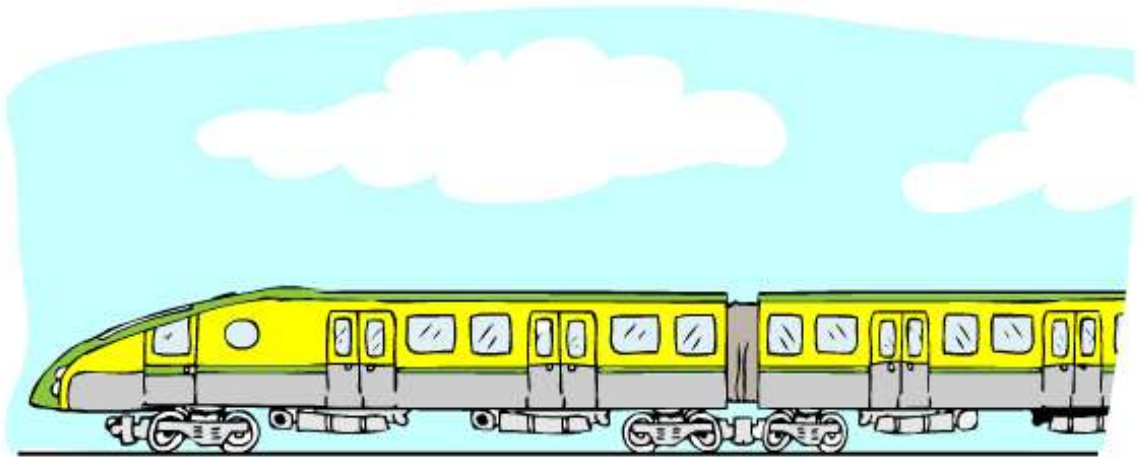
- 38 cm
- 76 cm
- 88 cm
- 100 cm

The circumference is the distance around the outside of a circle.

A car's tyre has a circumference of 140 centimetres.

How many times will the tyre turn if the car travels 1.4 kilometres?

- 10
- 100
- 1000
- 10 000

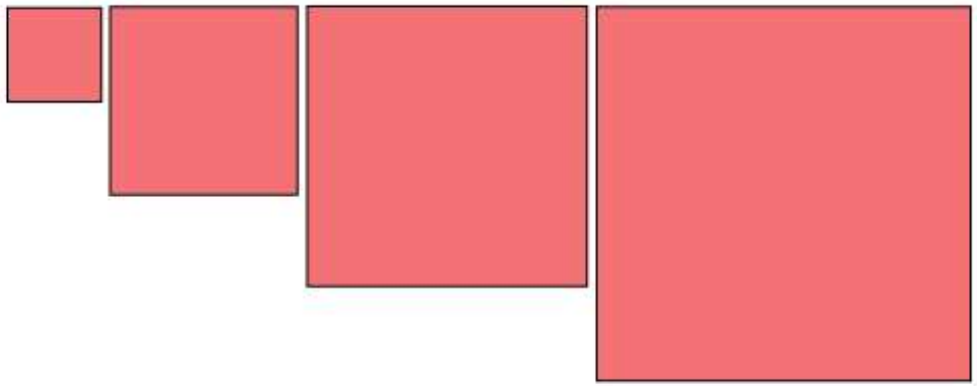


Matilda caught a train to Sydney. She got off the train at 3:45 pm.

This was $6\frac{1}{2}$ hours after she got on the train.

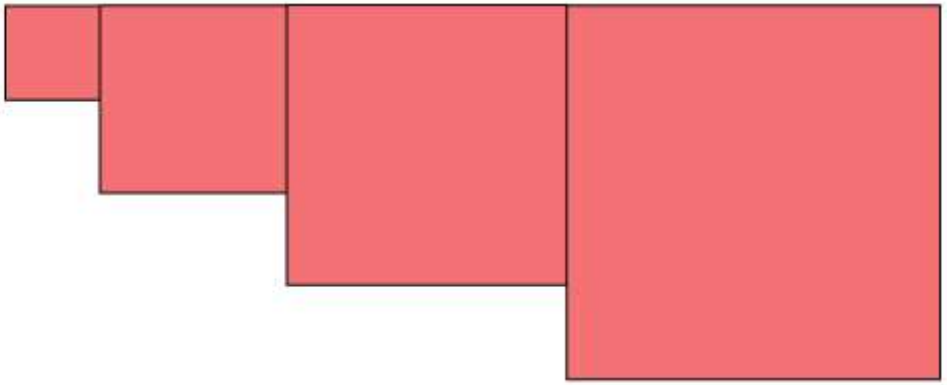
At what time did Matilda get on the train?

- 7:55 am
- 8:15 am
- 9:15 am
- 9:55 am



Four squares were drawn with side lengths of 1 cm, 2 cm, 3 cm and 4 cm.

The squares then were joined together into a shape as shown in the diagram below.



What is the perimeter of the shape?

- 28 cm
- 33 cm
- 37 cm
- 40 cm

Tides continuously alternate between high and low tides. The table shows the time and height of the low and high tides at Holiday Harbour over three days of a long weekend.

Tides at Holiday Harbour

Saturday		*Sunday*		*Monday*	
Time	Height (m)	Time	Height (m)	Time	Height (m)
1:29 am	0.12	2:09 am	0.13	2:47 am	0.17
7:35 am	1.56	8:18 am	1.64	9:02 am	1.69
1:33 pm	0.21	2:24 pm	0.18	3:15 pm	0.20
7:48 pm	1.79	8:35 pm	1.71	9:21 pm	1.59

What was the height of the highest tide over the three days?

- 2.09 m
- 1.79 m
- 1.69 m
- 1.29 m

Tides continuously alternate between high and low tides. The table shows the time and height of the low and high tides at Holiday Harbour over three days of a long weekend.

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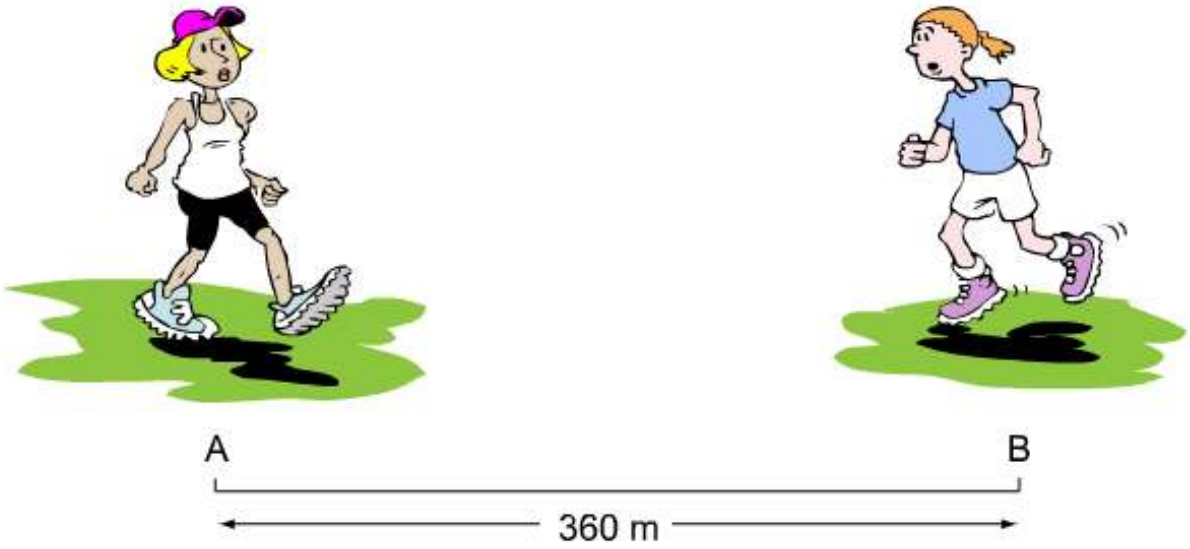
1:33 pm	0.21	2:24 pm	0.18	3:15 pm	0.20
7:48 pm	1.79	8:35 pm	1.71	9:21 pm	1.59

On Monday, how long is it between the two low tides?

- 1 h 32 min
- 11 h 32 min
- 12 h 28 min
- 12 h 52 min



Andrea and Bianca are 360 metres apart.

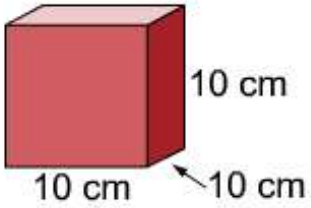
Andrea is at A and Bianca is at B.

At the same time they move toward each other.

Andrea is walking and Bianca is jogging.

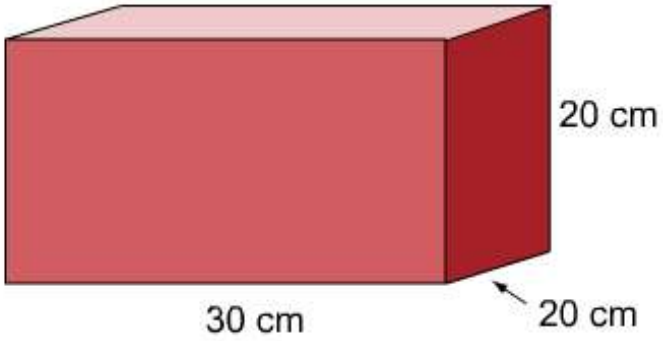
If Bianca is jogging at twice the speed that Andrea is walking, where will the girls meet?

- 120 m from A
- 180 m from A
- 200 m from B
- 120 m from B



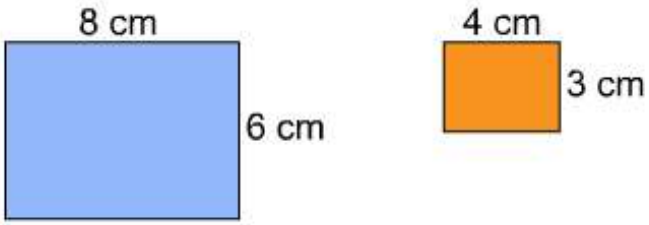
This container holds 1 litre of water.

How many litres of water will this container hold?

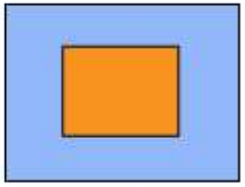


- 7
- 8
- 9
- 12

Two rectangles are drawn measuring 8 cm by 6 cm and 4 cm by 3 cm.



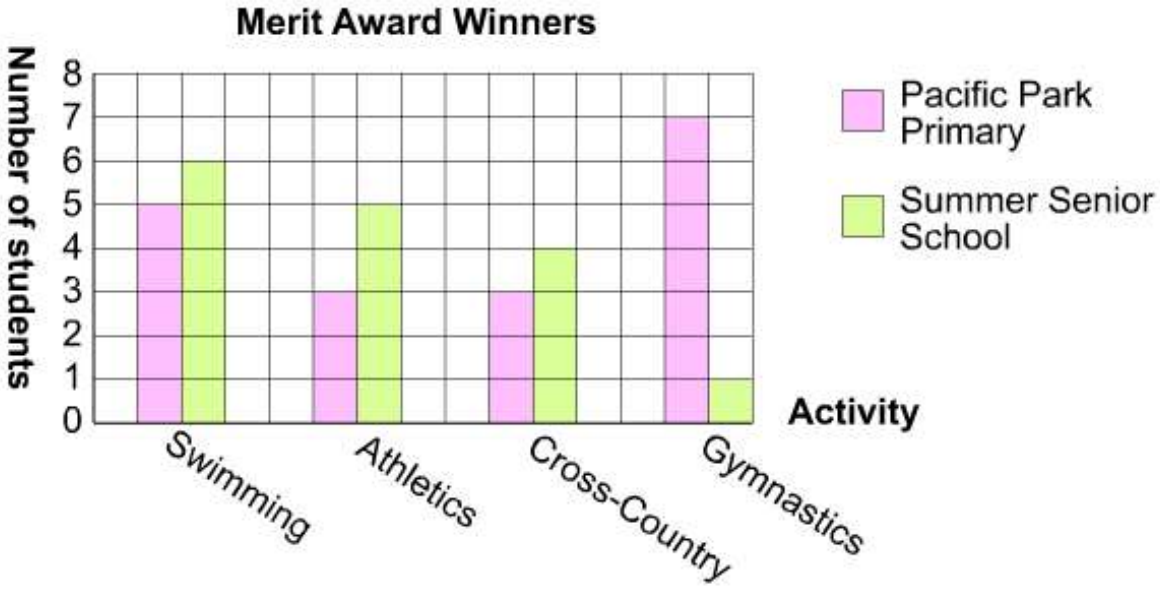
The small rectangle is now placed on to the large rectangle as shown in the diagram below.



What percentage of the original rectangle can still be seen?

- 25%
- 50%
- 75%
- 80%

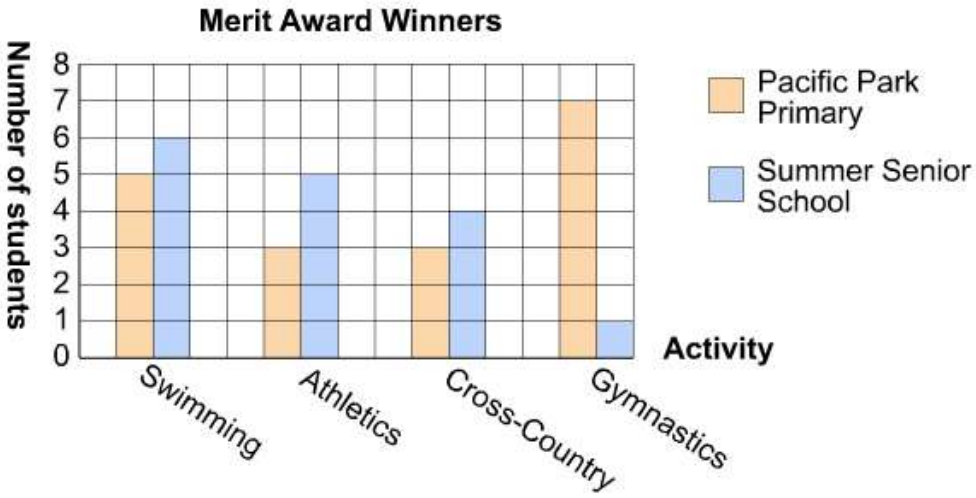
Two schools held a combined sports day. The graph shows the number of pupils from each school who won merit awards for different activities.



How many Pacific Park Primary pupils won awards?

- 12
- 16
- 18
- 22

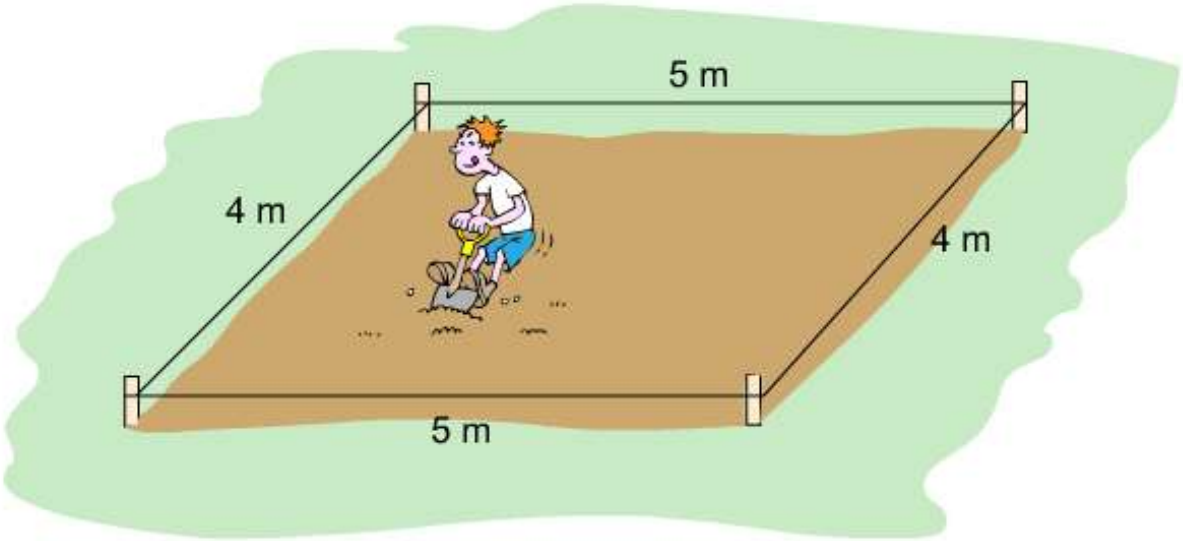
Two schools held a combined sports day. The graph shows the number of pupils from each school who won merit awards for different activities.



Which statement is correct?

- Two more Summer Senior School students won awards than Pacific Park Primary pupils.
- Two more Pacific Park Primary pupils won awards than Summer Senior School students.
- Six more Pacific Park Primary pupils won awards than Summer Senior School students.
- Three more Summer Senior School students won awards than Pacific Park Primary pupils.

Guido is building a shed. He wants to concrete the floor.



If the concrete is to be 0.1 m thick, how much concrete will he need?

- 2 cubic metres
- 9 cubic metres
- 18 cubic metres
- 20 cubic metres