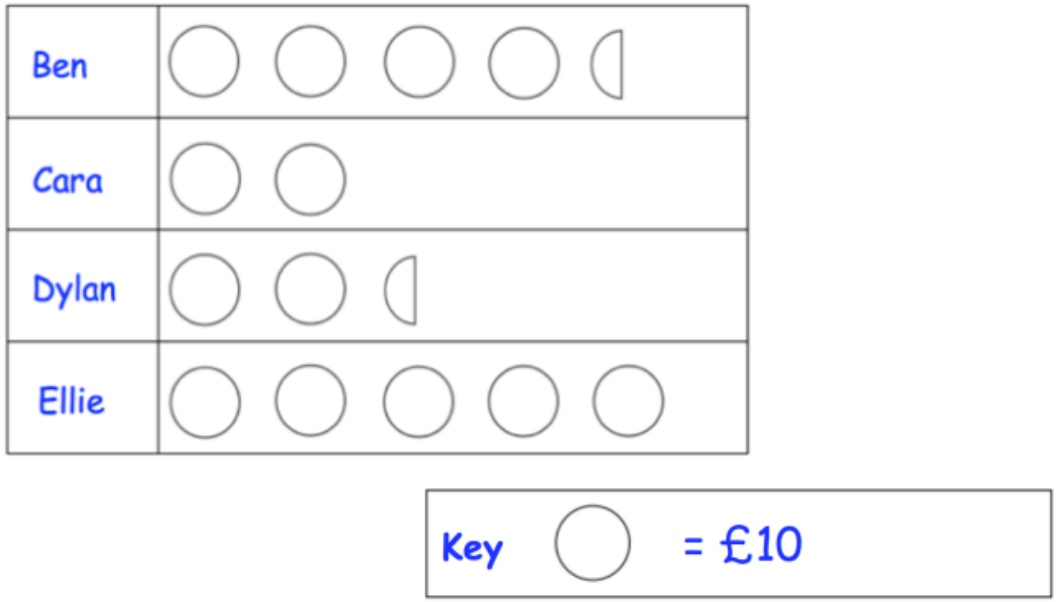
Starter

1) How much money does Dylan have?



2) 3.4 + 5.8

3) 16 x 100

4) 357 ÷ 8

5) James and jack buy 3L of orange juice. Each boy drank 650ml. How much juice do they have left?

Recap

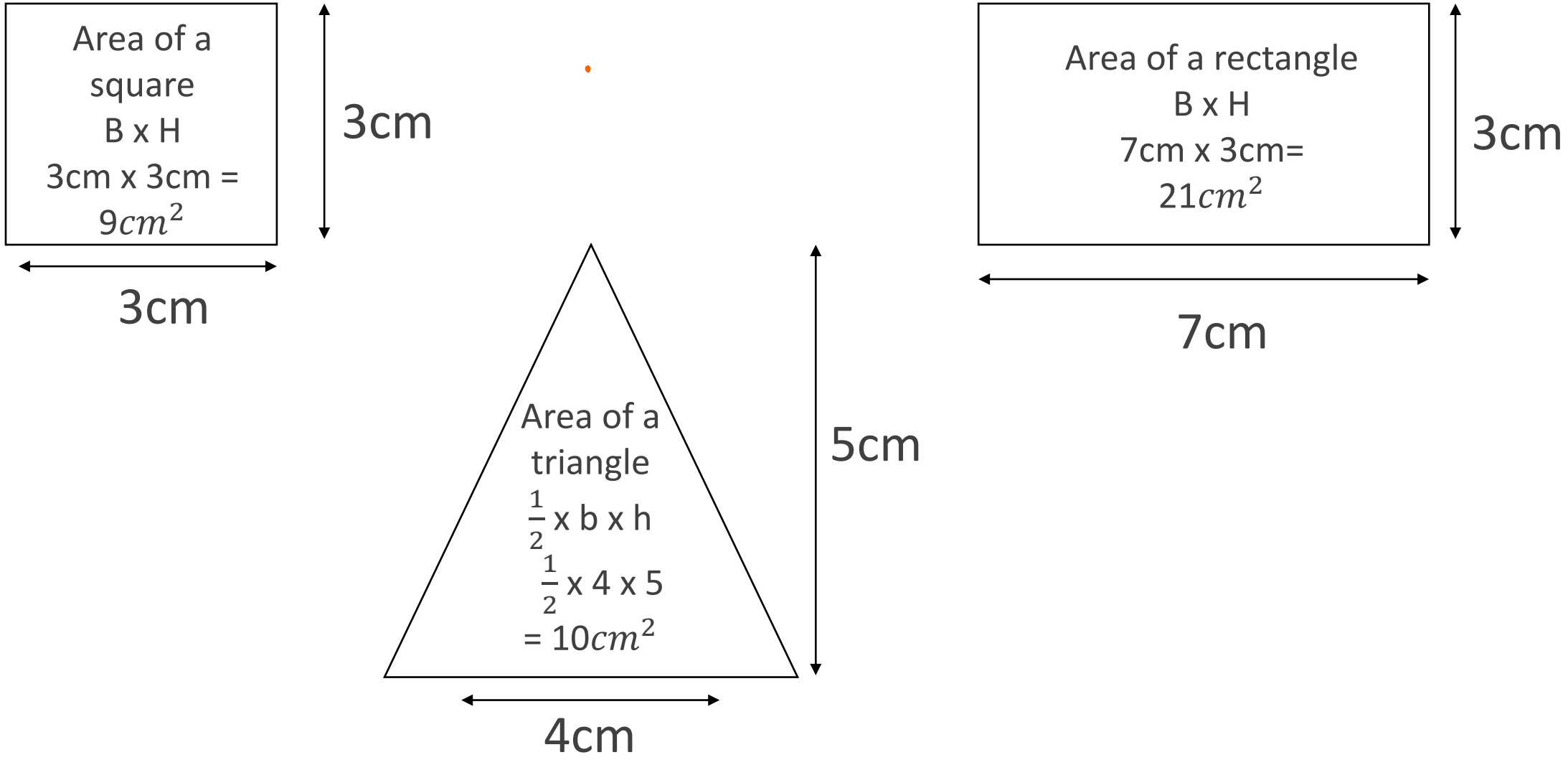
A game is played with a five sided spinner.
Each section is a different colour.
The spinner is biased.
The table shows some of the probability of the spinner landing on each colour.

Colour	Red	Blue	Green	Pink	Black
Probability	0.34	0.1			0.12

The probability of green is equal to the probability of pink.

Calculate the probability the spinner lands on pink.

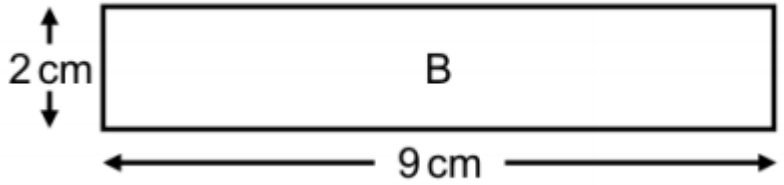
Area of 2D shapes - Formula



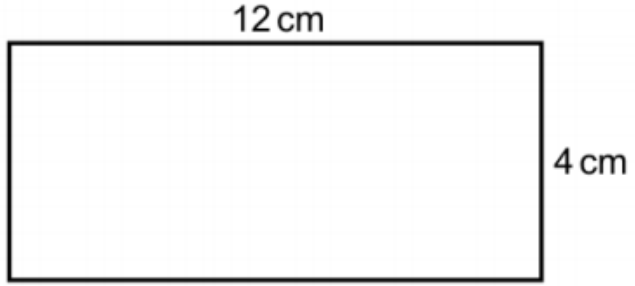
Your turn…

Calculate the area of the following shapes

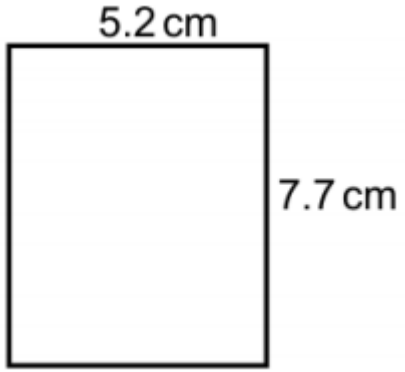
1.



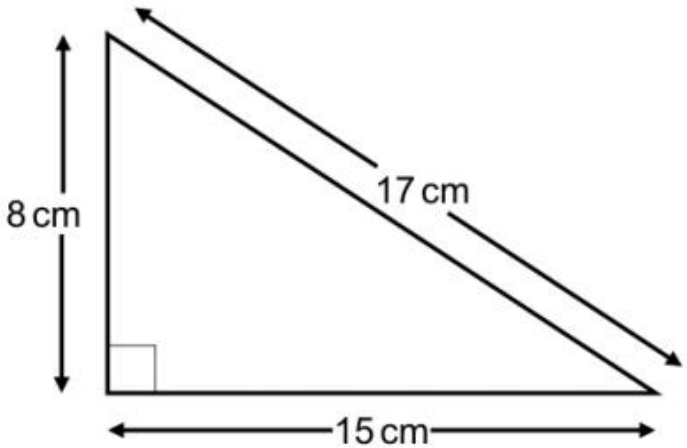
2.



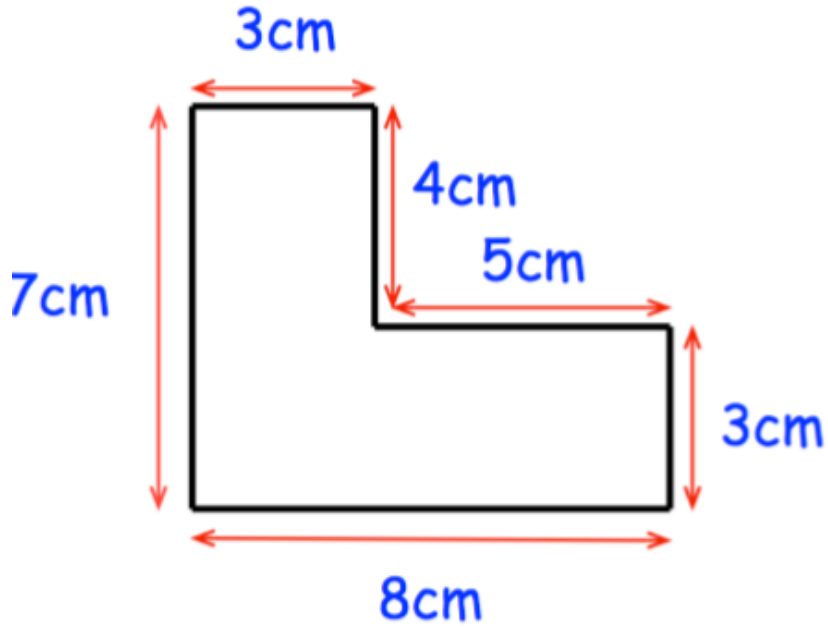
3.

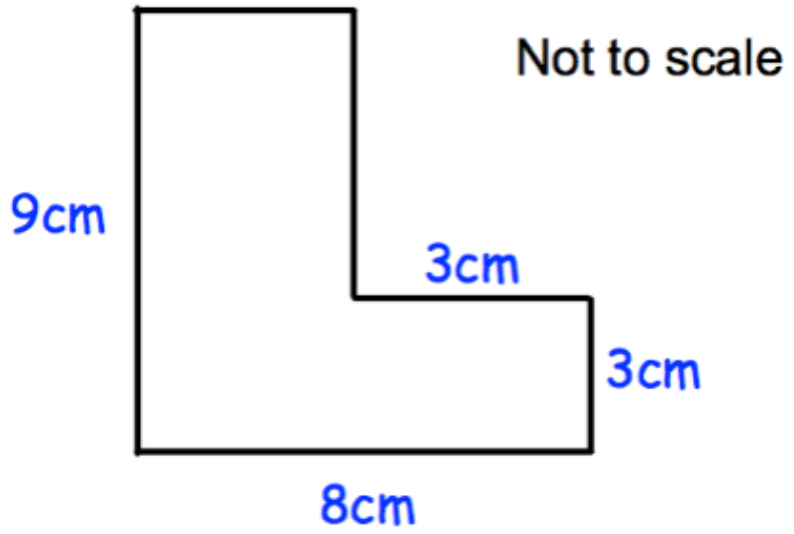


4.

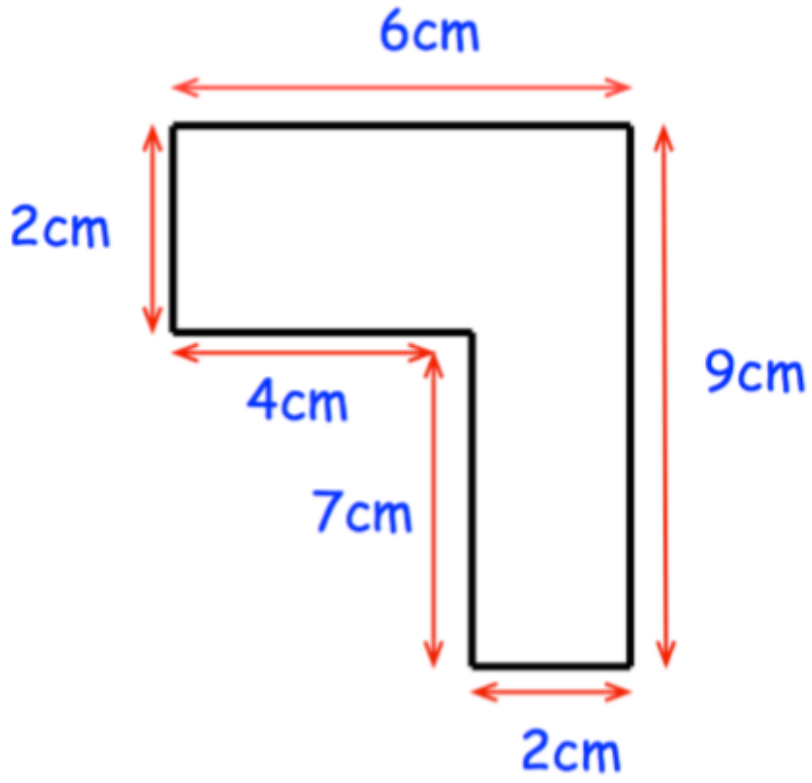


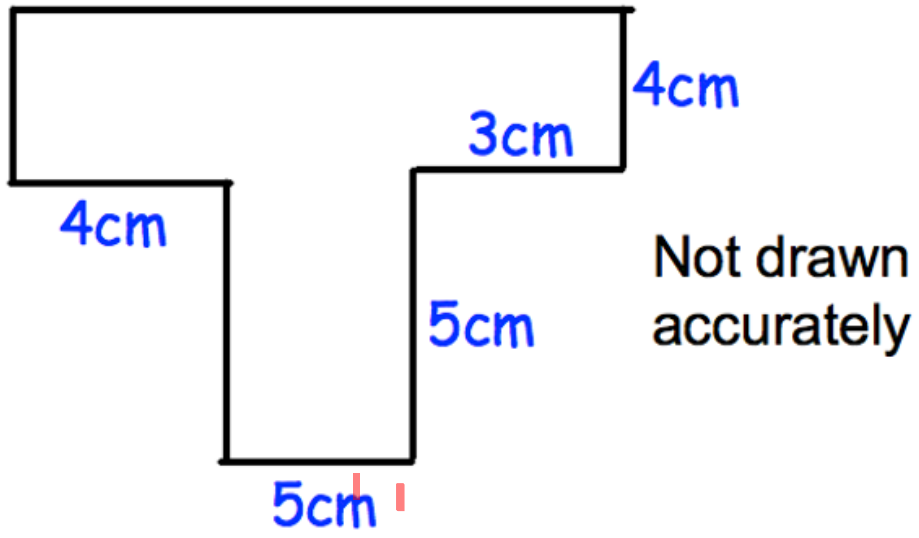
Example: Area of Compound shapes





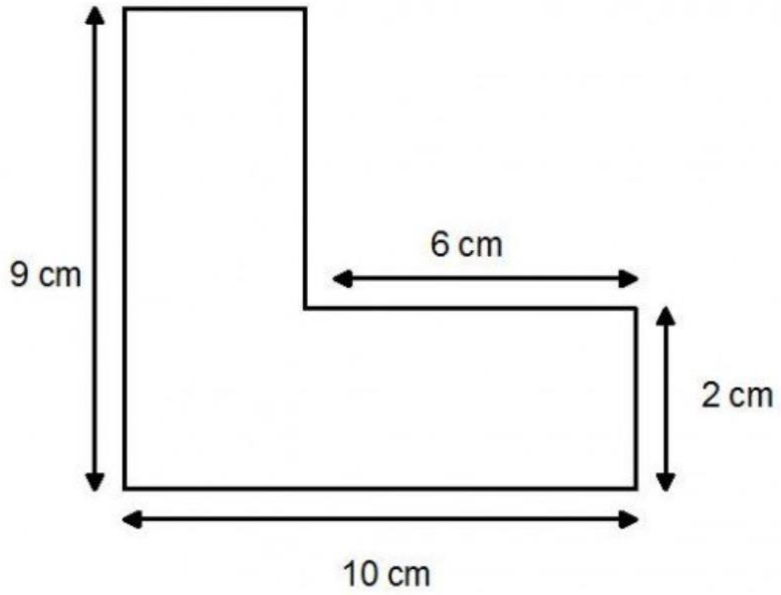
Your turn…

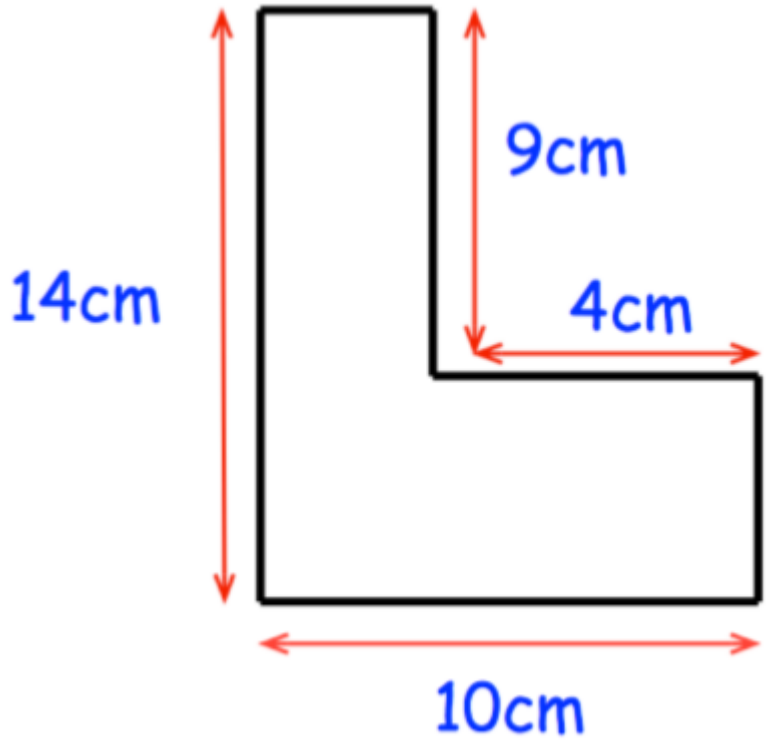




Not drawn accurately

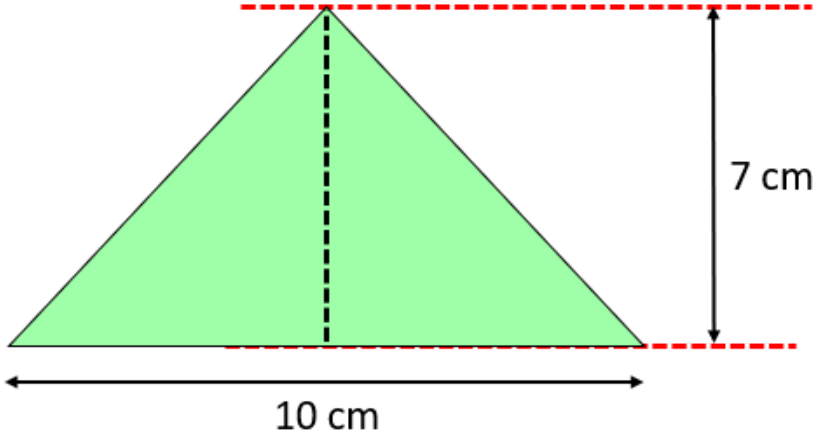
Your turn…



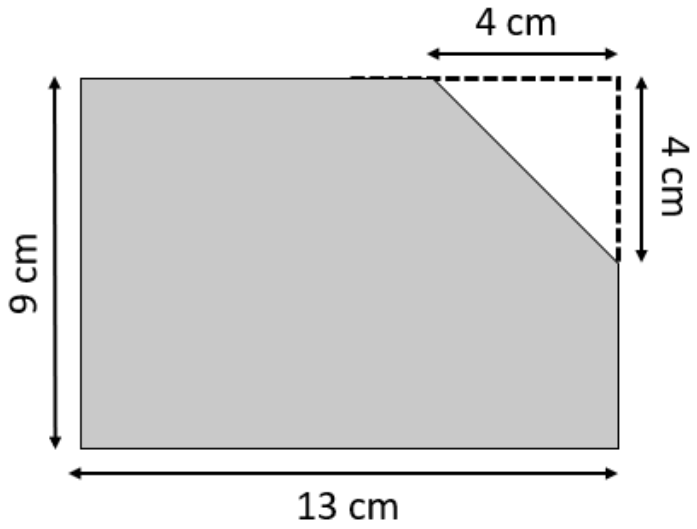


Your turn ….

Calculate the area of this isosceles triangle

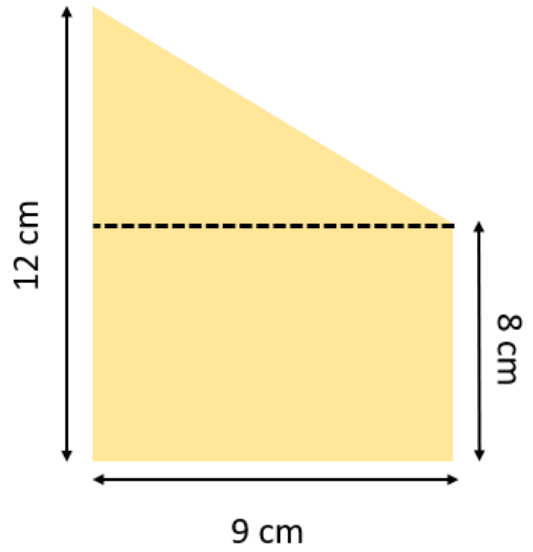


The corner of this rectangle has been cut off. What is the area of the grey shaded part.

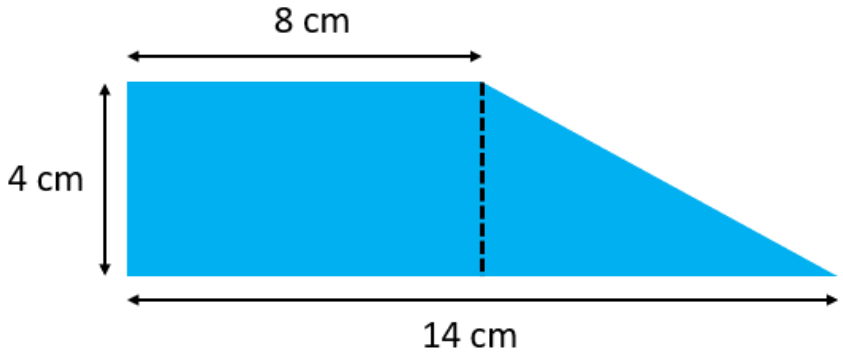


Your turn ….

Work out the area of this shape



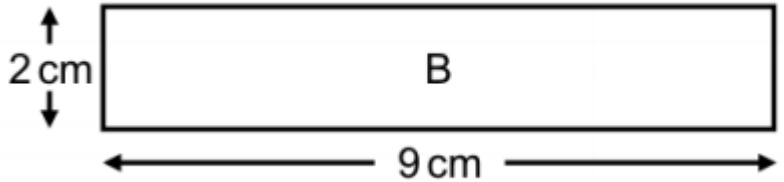
How can you split up this shape so you can calculate the area?



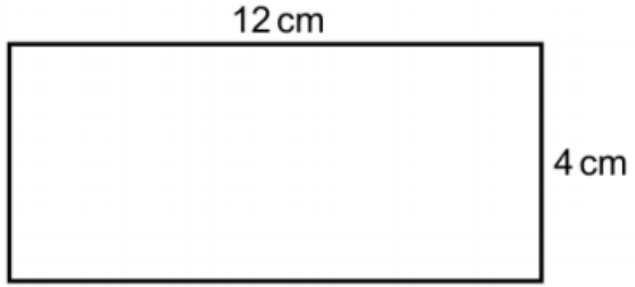
Perimeter

Calculate the perimeter of the following shapes

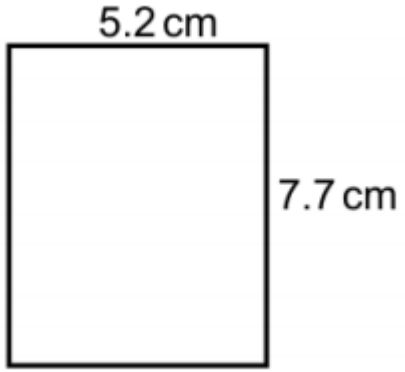
1.



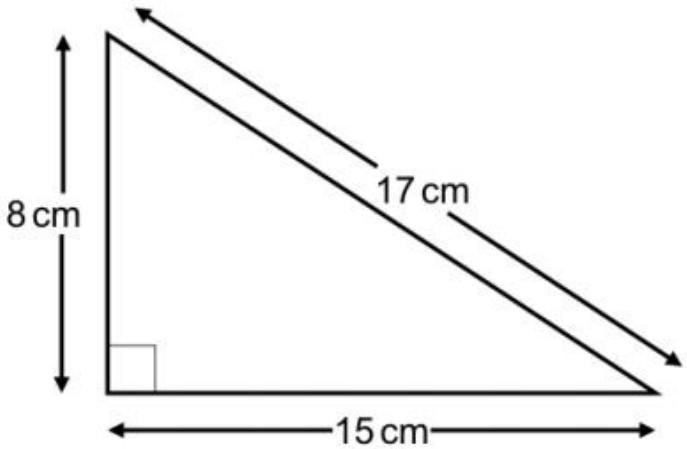
2.



3.

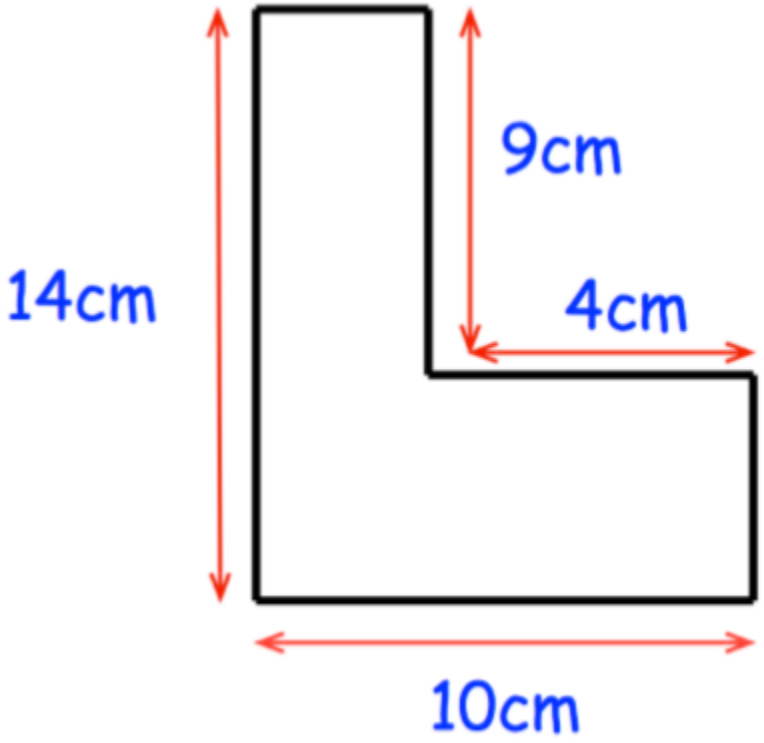


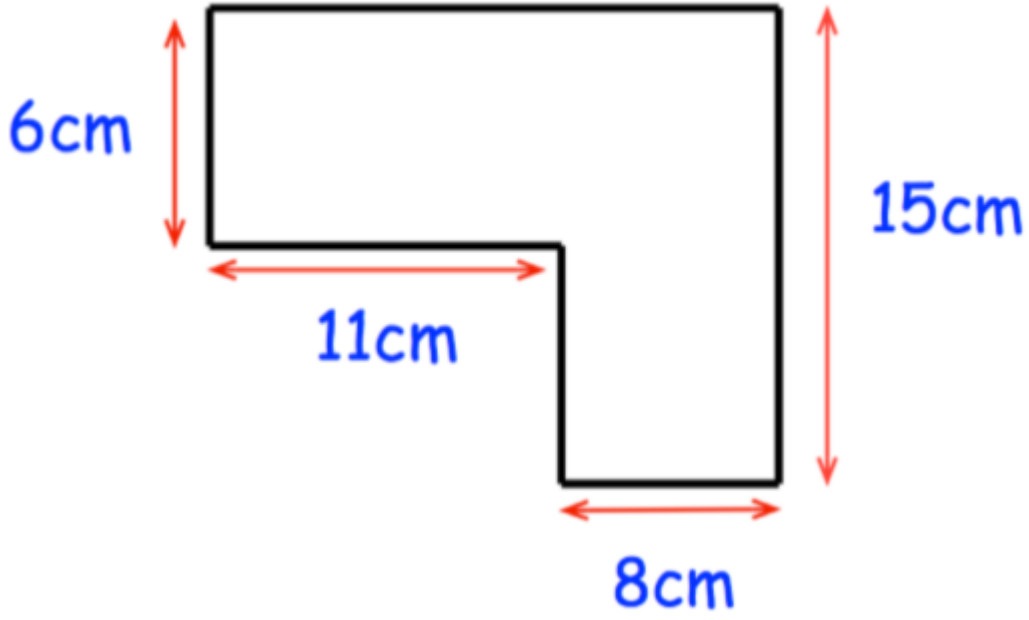
4.



Example: Calculate the perimeter of the shapes.

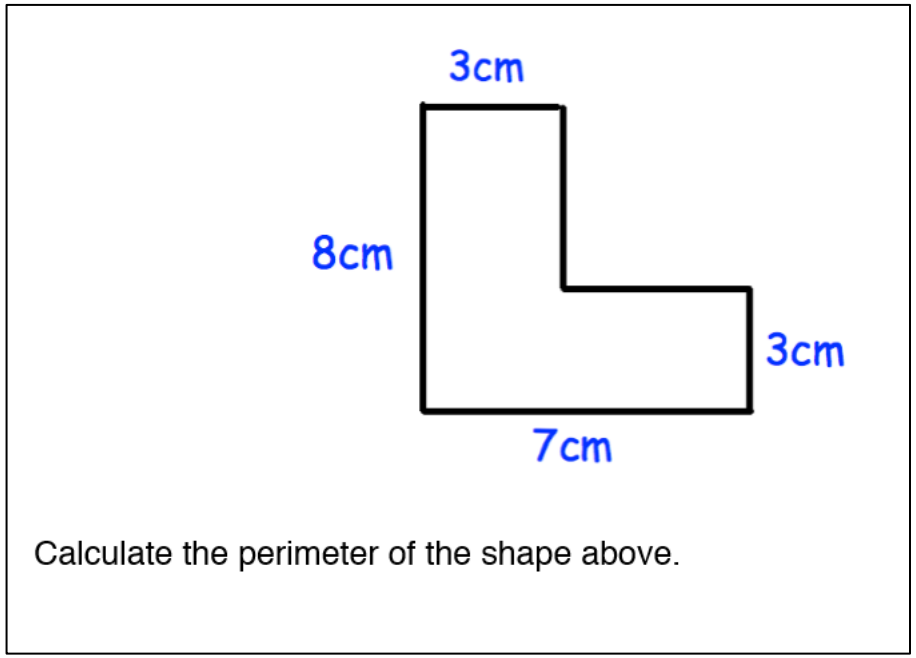
Work out the perimeter of the shapes below.

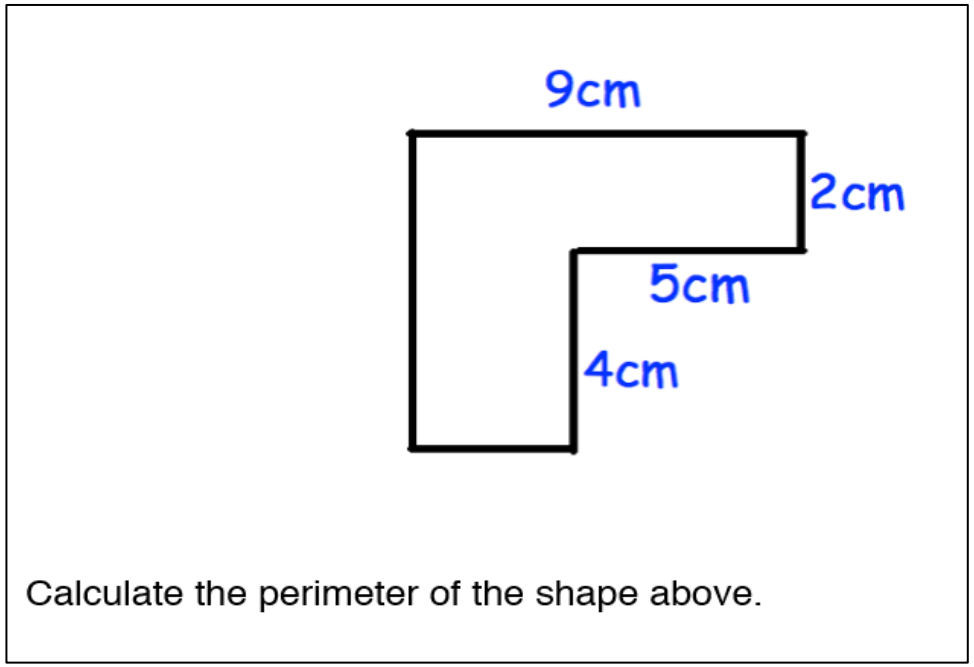




Your turn ….

Calculate the perimeter of the following shapes

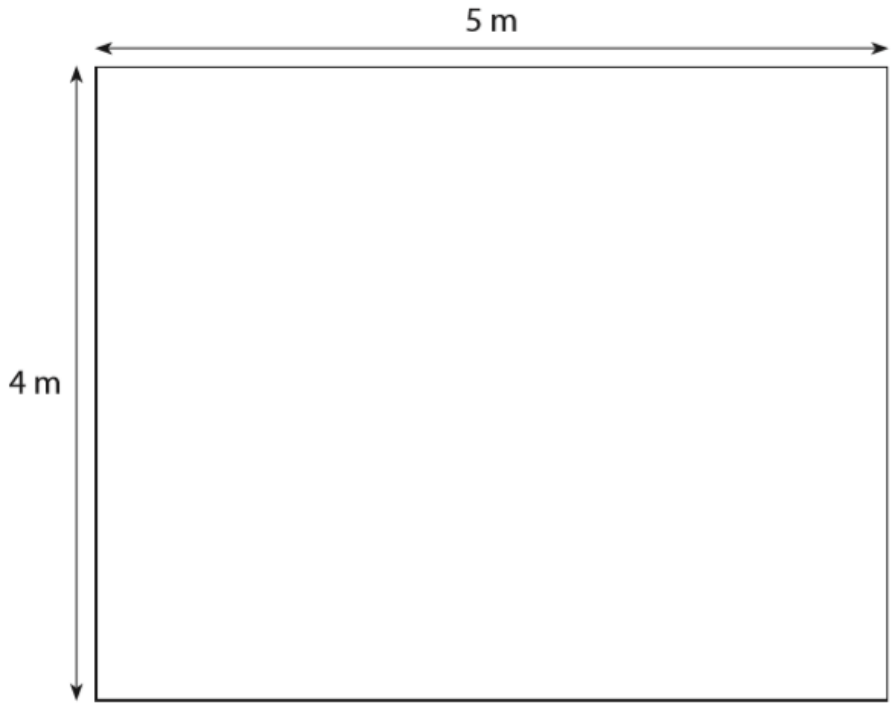




Question 1

Kelly needs to choose some flooring to cover the lounge floor. She finds this information.

Flooring	1 pack covers	1 pack costs
Gold oak	$4m^2$	£32
White Pine	$3m^2$	£29
White oak	$4m^2$	£30
Yellow pine	$2m^2$	£21



Kelly can afford to spend up to £200 on flooring

Does Kelly have enough money to buy all the pine flooring she needs?

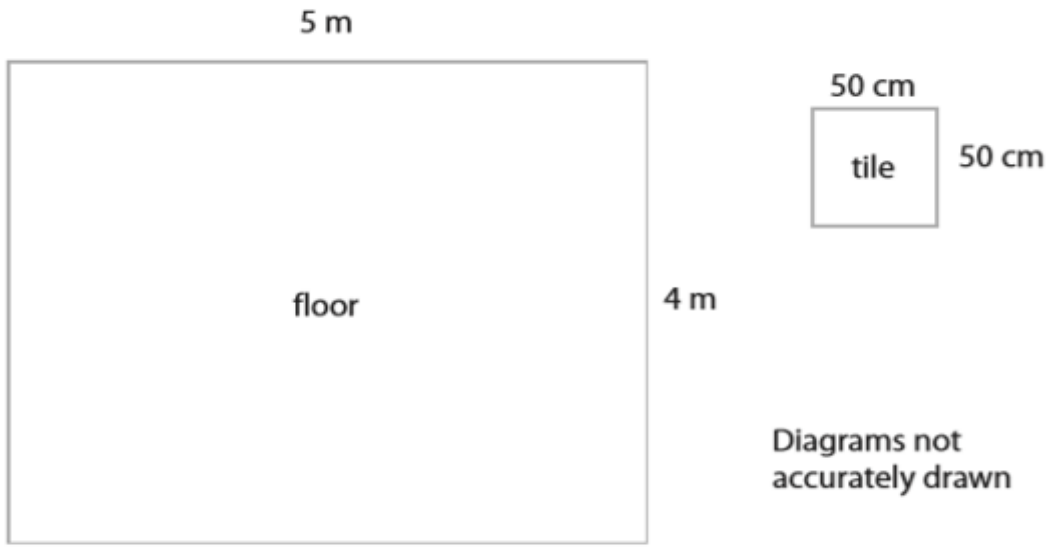
(5)

January 2016

Question 2

Shafiq needs tiles to cover the floor of a room in his room in his room extension.

The diagram shows the dimensions of the floor and each tile.



The floor is in the shape of a rectangle 5m by 4m.
Each tile is in the shape of a square 50cm by 50 cm
Shafiq has 90 tiles.

(5)

Does Shafiq have enough tiles to cover this floor?

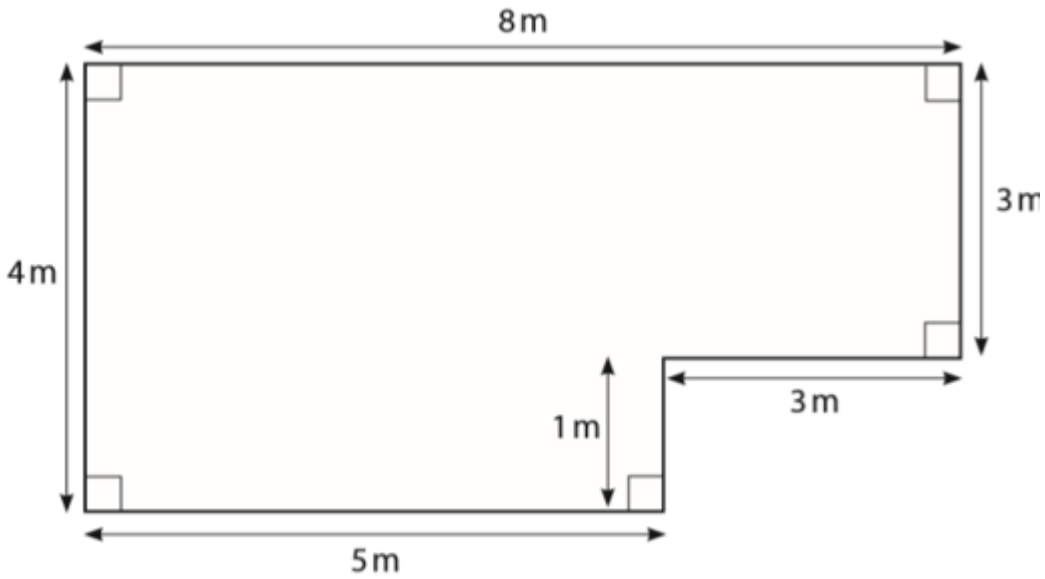
February 2016

Question 3

From Tuesday to Saturday Kirsty works in her salon.
She needs to decorate the salon.

Kirsty wants to lay a new floor

The diagram shows the floor space of the salon



(4)

Work out the area of the floor space of the salon.
Show a check of your working.

Question 4

Here is a diagram of Jim's garden.

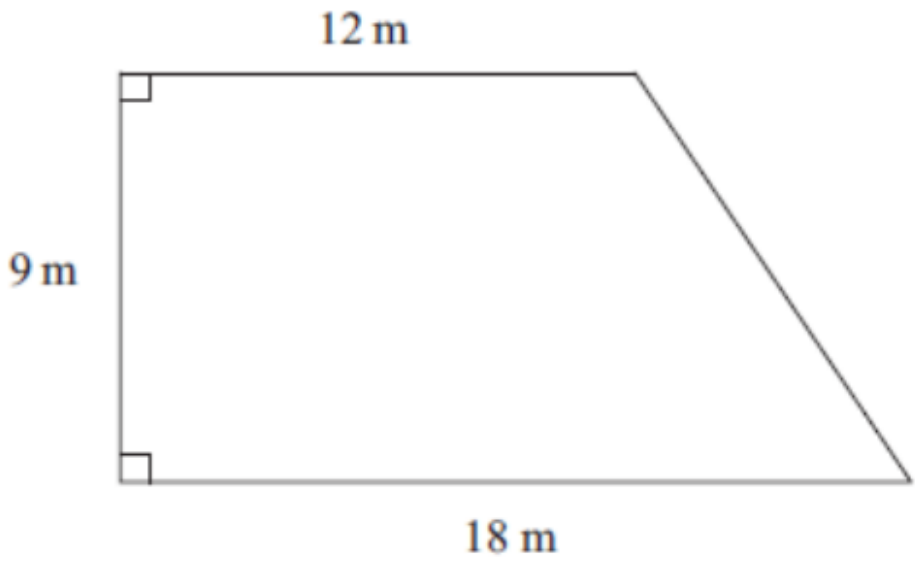


Diagram **NOT** accurately drawn

Jim wants to cover his garden with grass seed to make a lawn.

Grass seed is sold in bags.
There is enough grass seed in each bag to cover 20 m^2 of garden.

Each bag of grass seed costs £4.99

Work out the least cost of putting grass seed on Jim's garden.

Question 5

The diagram shows a patio in the shape of a rectangle.

The patio is 3.6 m long and 3 m wide.

Matthew is going to cover the patio with paving slabs.
Each paving slab is a square of side 60 cm.

Matthew buys 32 of the paving slabs.

(a) Does Matthew buy enough paving slabs to cover the patio?
You must show all your working.

The paving slabs cost £8.63 each.

(b) Work out the total cost of the 32 paving slabs.