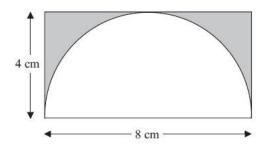




The diagram shows a semicircle drawn inside a rectangle.

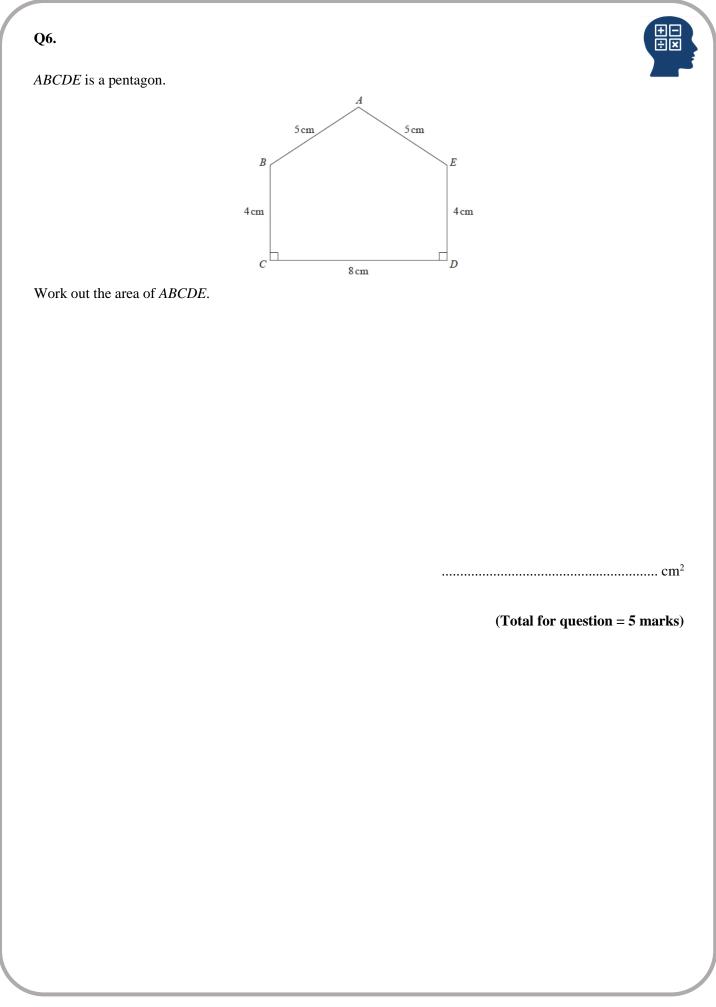


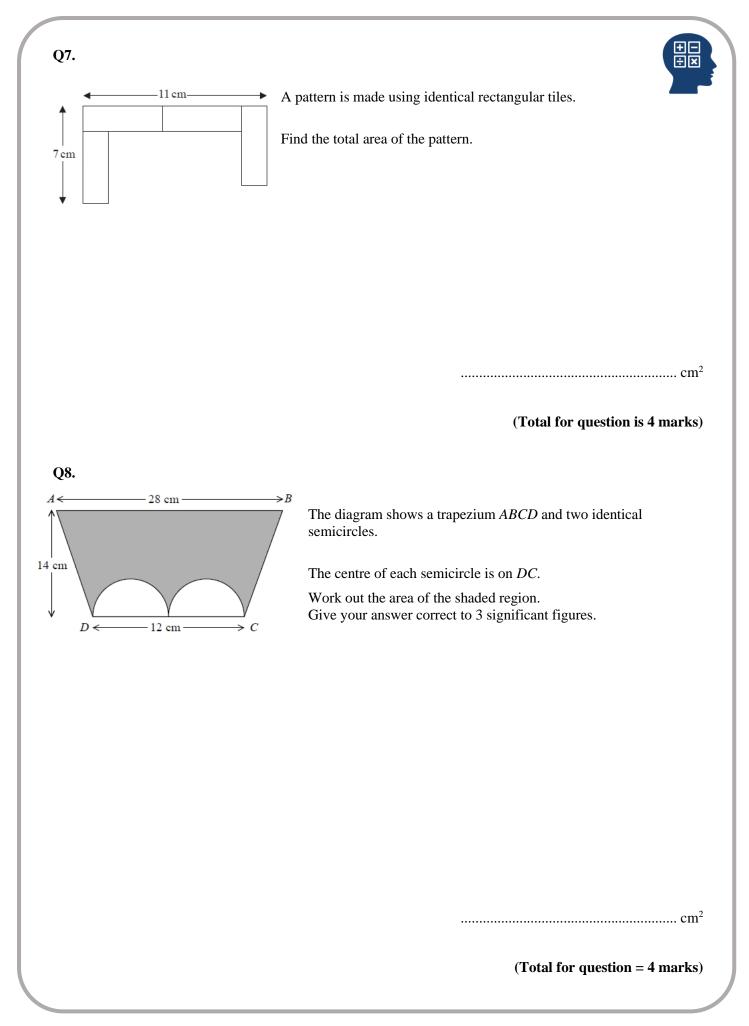
The semicircle has a diameter of 8 cm. The rectangle is 8 cm by 4 cm.

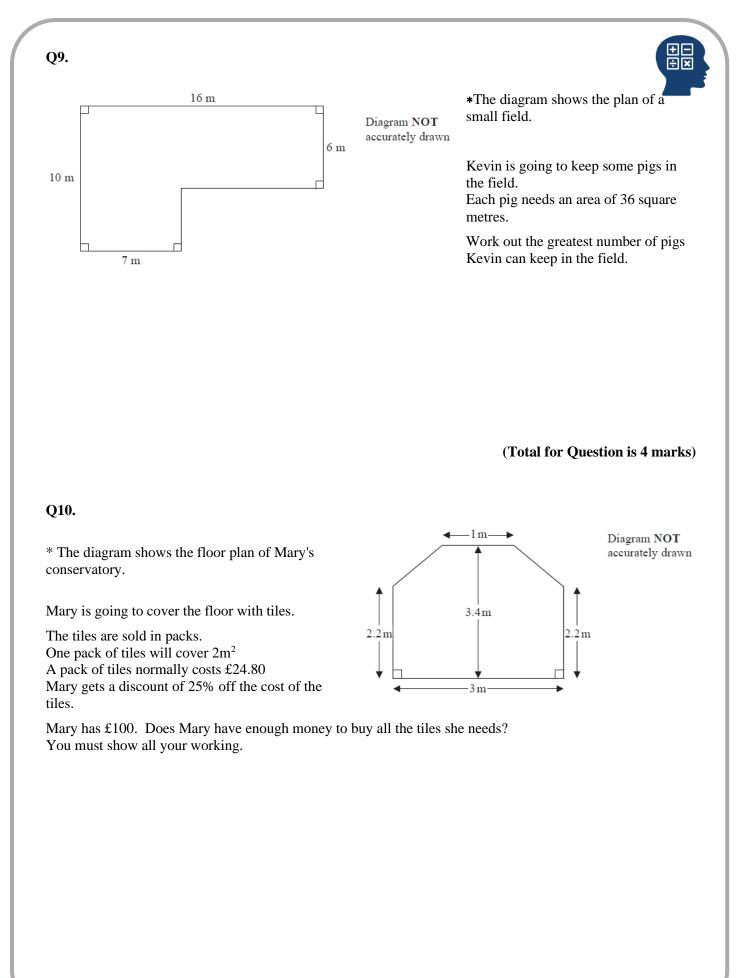
Work out the area of the shaded region. Give your answer correct to 3 significant figures. Diagram NOT accurately drawn

(Total for Question is 4 marks)

Q5.





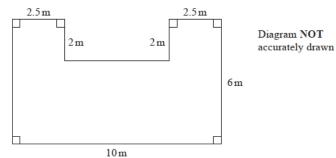


(Total for question = 5 marks)

Q11.



* The diagram shows the plan of a floor.



Angie is going to varnish the floor.

She needs 1 litre of varnish for 5 m^2 of floor. There are 2.5 litres of varnish in each tin of varnish.

Angie has 3 tins of varnish.

Does she have enough varnish for all the floor? You must show all your working.

(Total for question = 5 marks)

Q12.



* The diagram shows the floor plan of Jill's dining room.

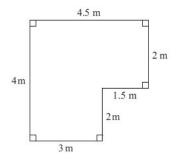


Diagram NOT accurately drawn

Jill is going to cover the floor with wooden floorboards.

The floorboards are sold in packs. One pack of floorboards will cover 2.25 m².

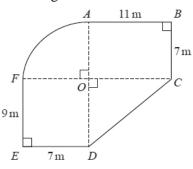
Work out how many packs Jill needs. You must show all your working.

(Total for Question is 4 marks)



The diagram shows a plan of Jason's garden.

ABCO and DEFO are rectangles. CDO is a right-angled triangle. AFO is a sector of a circle with centre O and angle $AOF = 90^{\circ}$



Jason is going to cover his garden with grass seed. Each bag of grass seed covers 14 m^2 of garden. Each bag of grass seed costs £10.95

Work out how much it will cost Jason to buy all the bags of grass seed he needs.

£

(Total for question = 5 marks)

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Q13.