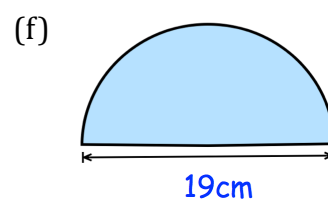
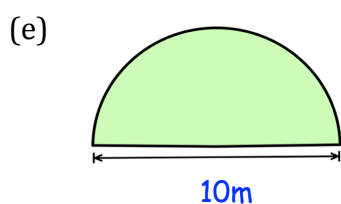
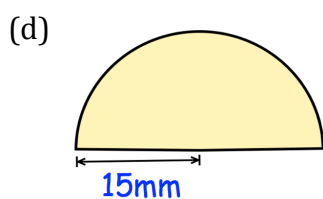
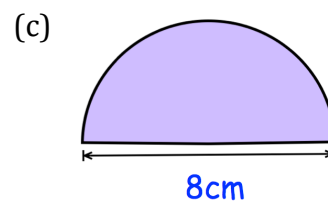
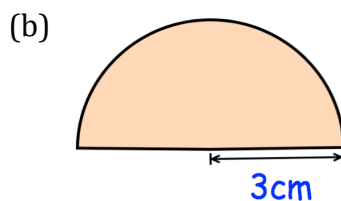
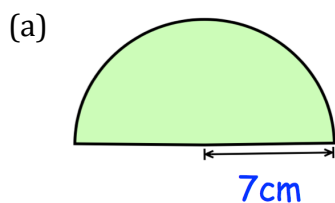
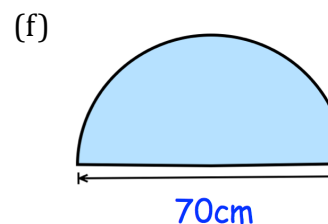
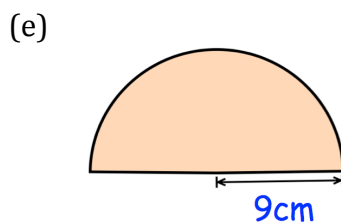
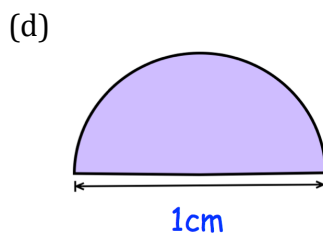
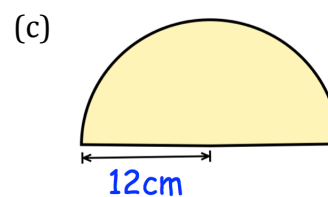
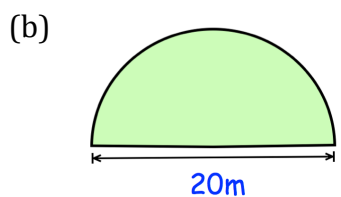
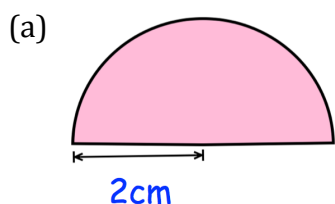


**Workout**

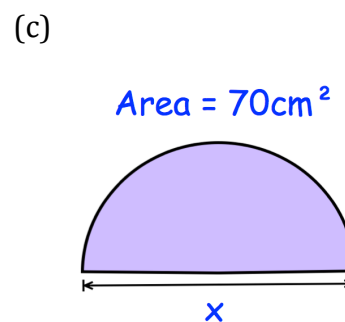
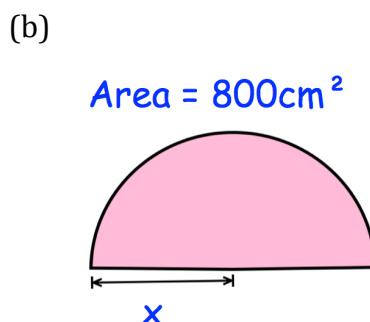
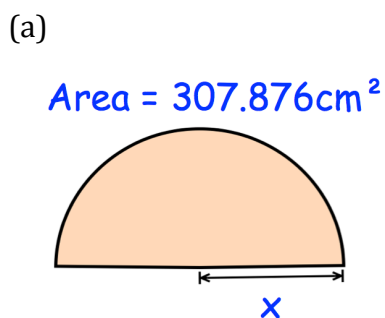
Question 1: Calculate the area of each of these semi-circles.  
Give your answers to 1 decimal place and include suitable units.



Question 2: Work out the area of each of these semi-circles.  
Give your answers in terms of  $\pi$  and include suitable units.

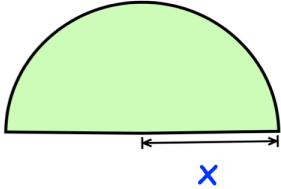


Question 3: Calculate the size of  $x$ .

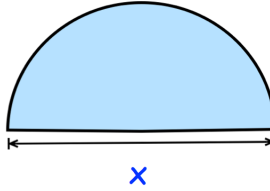


Question 4: Work out the size of  $x$ .

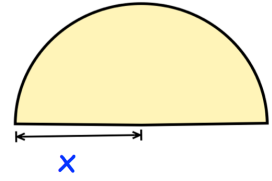
(a)  $\text{Area} = 18\pi \text{ cm}^2$



(b)  $\text{Area} = 98\pi \text{ cm}^2$

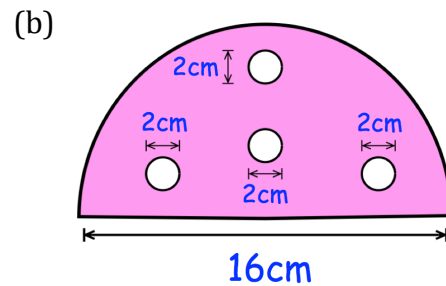
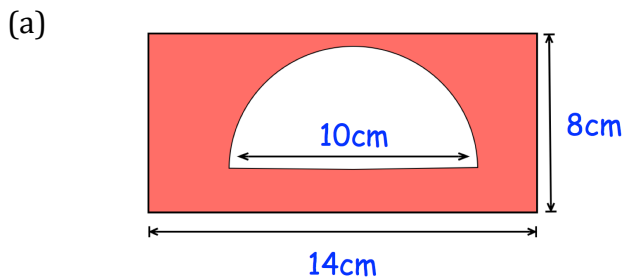


(c)  $\text{Area} = 60.5\pi \text{ cm}^2$

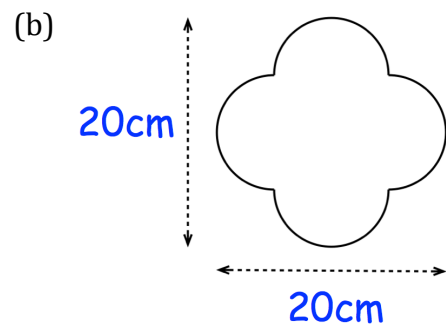
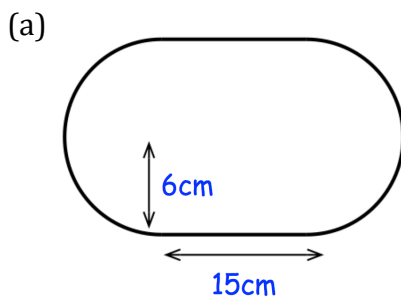


Apply

Question 1: Calculate the shaded area



Question 2: Calculate the area



Question 3: Farmer Jenkins is planting a crop in his semi-circular field.  
The seed costs £0.80 per square metre.  
When fully grown, Farmer Jenkins can sell the crop from  $4\text{m}^2$  for £45  
Calculate the profit he should make.

