

Summer Term Maths Year 10

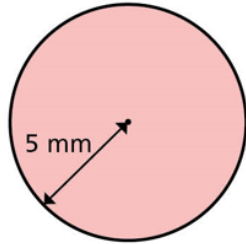
Area of a circle

Day
2

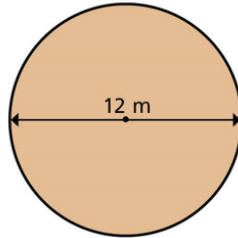
Week 4

1 Find the area of these circles giving your answer in terms of π .

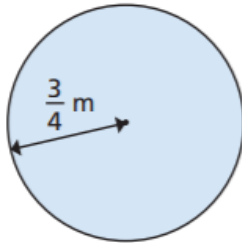
(a)



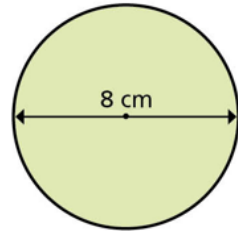
(c)



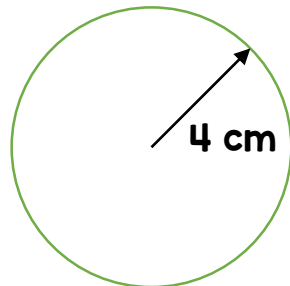
(b)



(d)

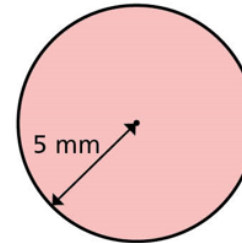


2 Clare says the area of the circle is 8π . What mistake has she possibly made?

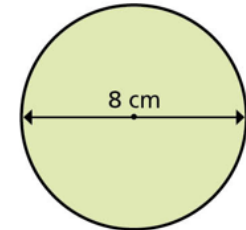


3 Use a calculator to find the area of these circles giving your answers to 3 significant figures.

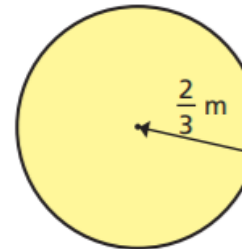
(a)



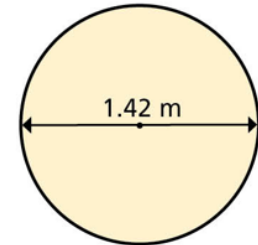
(c)



(b)



(d)



4

A goat is tied to a pole with a 1 metre length of rope. What is the area of grass that the goat can graze?

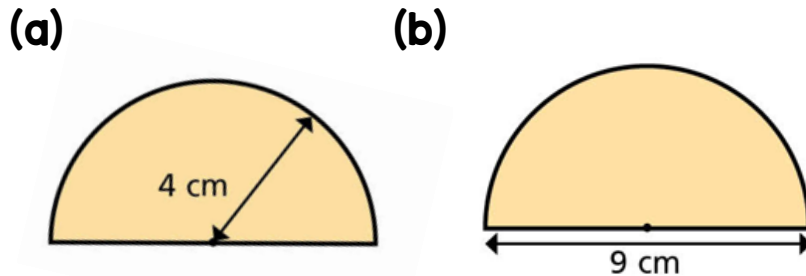
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Area of a circle

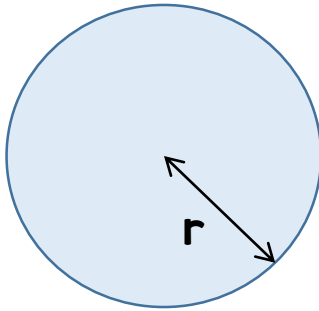
Day 2

Week 4

5 Find the area of these semi-circles giving your answer in terms of pi.

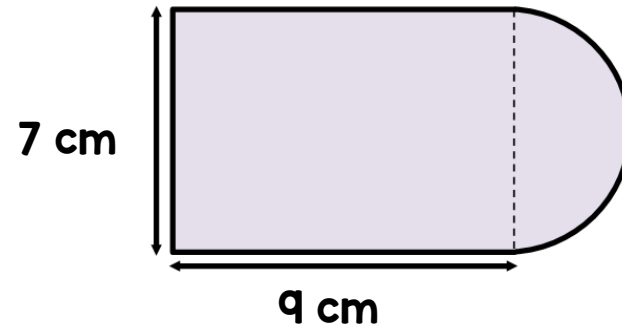


6 The area of the circle is 40 cm^2



Calculate the radius of the circle.

7 Find the area of this shape.



8 Two circular holes are cut from the rectangular sheet below. Calculate the area of the sheet remaining once the holes are removed.

