

Find the Area of a Circle

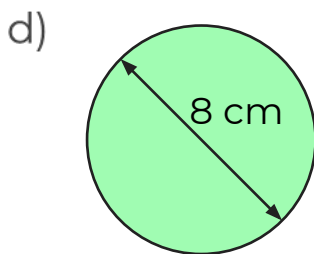
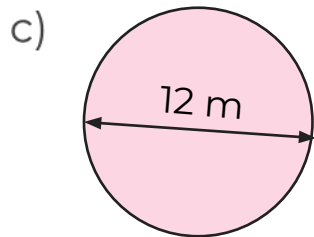
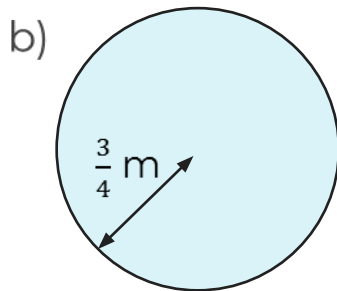
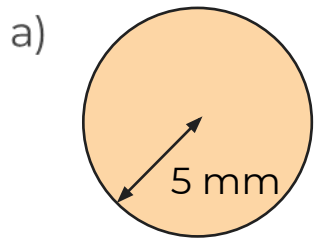
Maths

Mr Lund

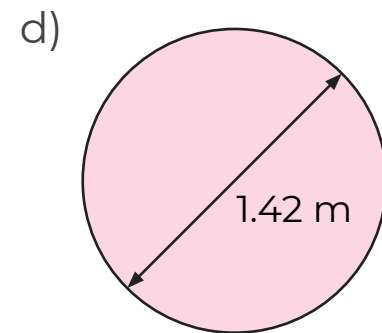
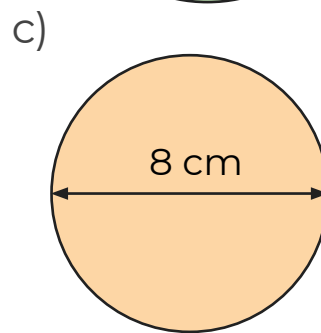
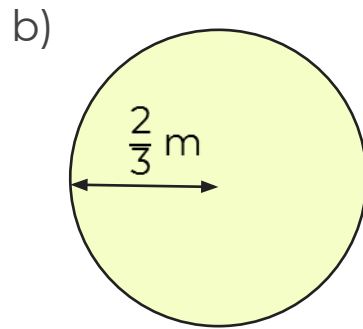
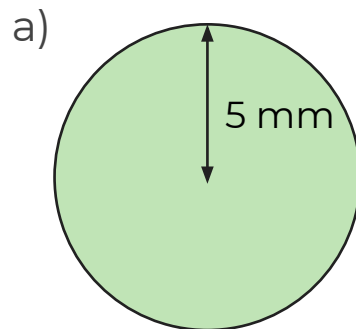


Find the Area of a Circle

1. Find the area of these circles in terms of π .



2. Find the area of these circles to three significant figures.



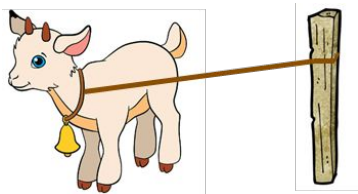
Find the Area of a Circle

3. Clare says

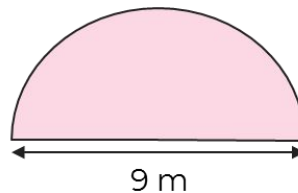
"The area of a circle with a radius of 4 cm is $8\pi \text{ cm}^2$."

What mistake has she made?

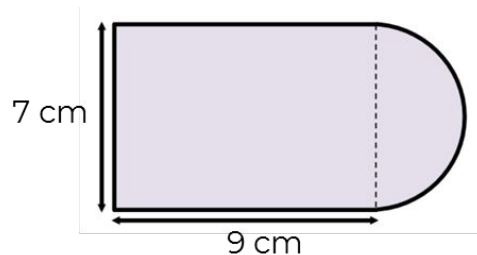
4. A goat is tied to a pole with a 1 metre length of rope. What is the largest area of grass that the goat can graze?



5. Find the area of this semi-circle giving your answer in terms of π .



6. Find the total area of this shape to 3 significant figures.

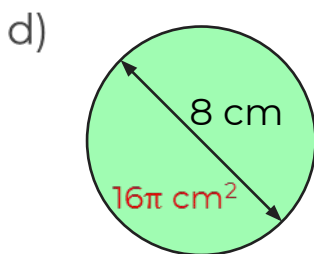
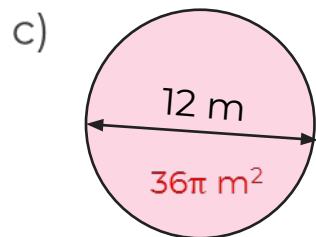
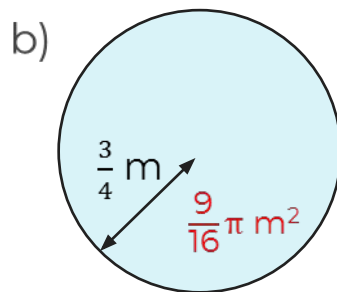
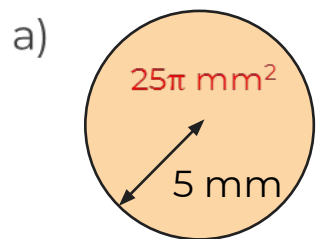


Answers

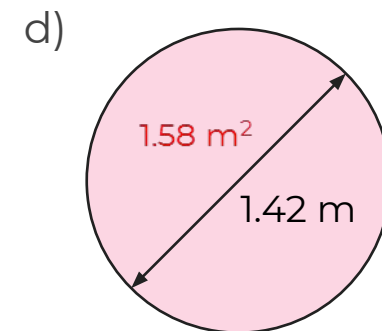
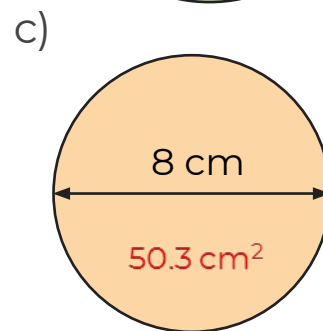
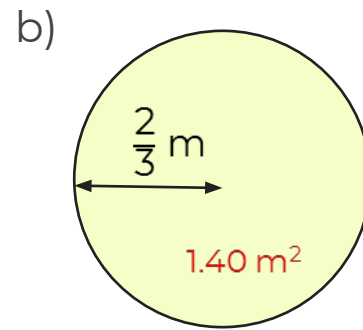
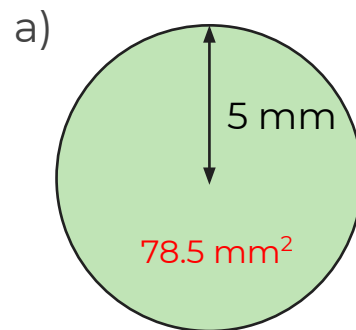


Find the Area of a Circle

1. Find the area of these circles in terms of π .



2. Find the area of these circles to three significant figures.



Find the Area of a Circle

3. Clare says

"The area of a circle with a radius of 4 cm is $8\pi \text{ cm}^2$."

She has doubled the radius instead of squaring the radius

What mistake has she made?

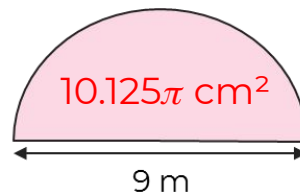
4. A goat is tied to a pole with a 1 metre length of rope. What is the largest area of grass that the goat can graze?



$\pi \text{ m}^2$

or 3.14 m^2

5. Find the area of this semi-circle giving your answer in terms of π .



6. Find the total area of this shape to 3 significant figures.

