Codeyoung

Concept HW_Grade-7_Perimeter and Area

Problems on Area and Circumference of a Circle

The rope connecting a goat to a pole is 8 m long. What area of grass can the goat eat?
A circular hoop has a radius of 40 cm. Find the length of tubing needed to make the hoop
A cylindrical tank has radius 1.5 m. What is the circumference of its base ?
A circular garden plot has circumference 12.65 m. Find its radius in meters, correct to the nearest centimetre.

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An irrigation sprinkler sprays water over a field. The radius of the spray is 12.6 m. What area of the field is being watered?

A circular pond has diameter 8 m and needs to be fenced for the protection of children.

a) What length of fencing is required?

b) Fencing comes in 1 m lengths. How many lengths are needed?

c) What is the total cost of the fencing if each length costs $25.00?

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