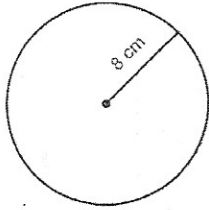


T4-07 Number: _____ Name: Key Period: _____ Score: _____

Calculate the area and circumference of the following circles. Be sure to label the units correctly.

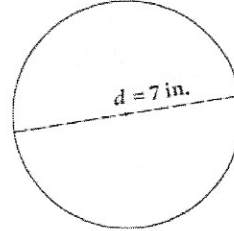
1.



Circumference: 50.27 cm

Area: 201.06 cm^2

2.



Circumference: 21.99 in

Area: 38.48 in^2

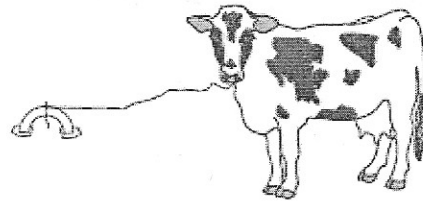
3. A cow is tethered with a rope that is 20 meters long.

- a. How much grass would the cow have eaten if he ate all the grass he could reach?

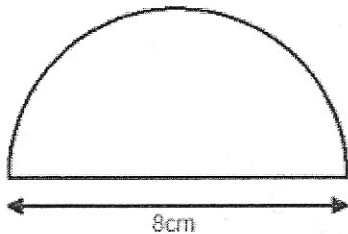
$$A = 125664 \text{ m}^2 \text{ of grass}$$

- b. If the rope is fully extended and the cow walked a full circle, how far would it walk?

$$C = 125.66 \text{ m}$$

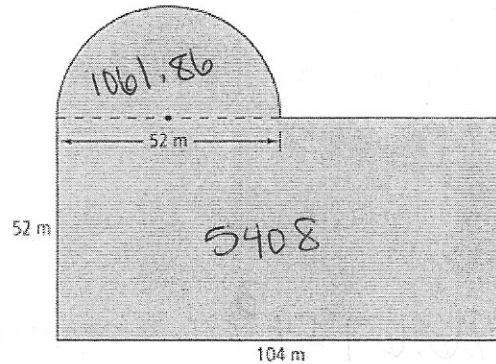


4. Calculate the area of the semicircle.



Area: 25.13 cm^2

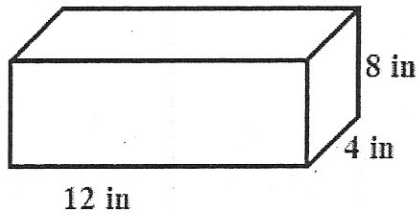
5. Calculate the area of the figure below.



Area: 6469.86 m^2

Calculate the volume and surface area of the following figures. Be sure to label the units correctly.

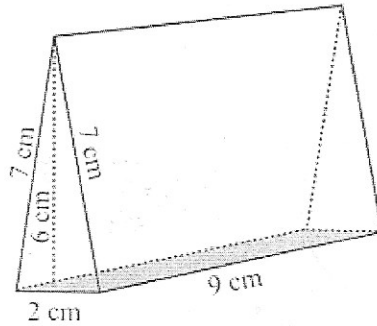
6.



Volume: 384 in^3

Surface Area: 352 in^2

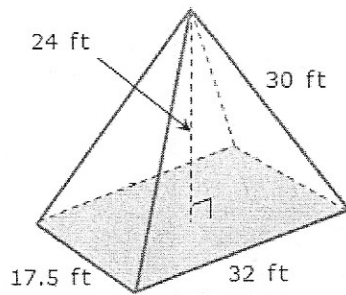
7.



Volume: 54 cm^3

Surface Area: 156 cm^2

8.



Volume: 4480 ft^3

Surface Area: 2045 ft^2