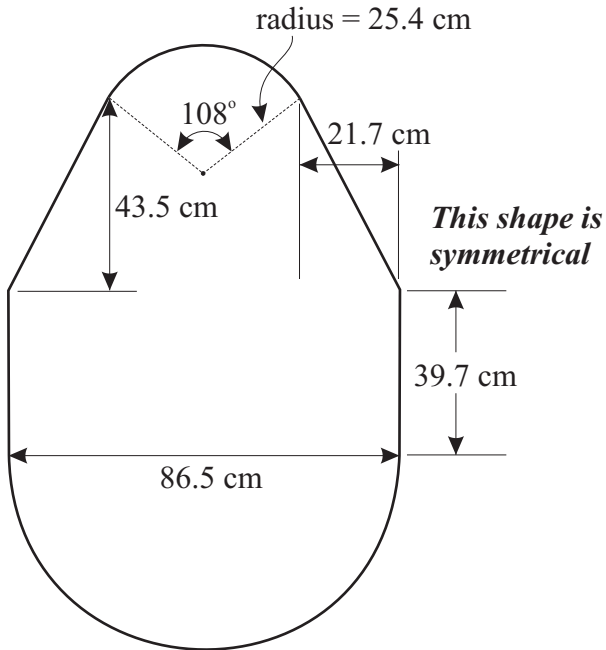


Name: \_\_\_\_\_

1. Find the perimeter of the following shape.  
Give answer correct to one decimal place.

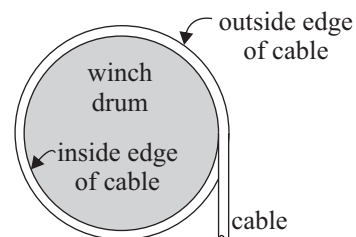



2. Calem wanted to determine the distance to a friend's house. He attached a counter to the front wheel of his bike that counted each revolution of the wheel. The diameter of his bike wheel is 70 cm.

(a) The counter registered 316 revolutions. Calculate the distance, to the nearest metre, between the two houses.

(b) His younger sister decided to attach the counter to her bike to check the distance. If her bike wheel has a diameter of 56 cm, what counter reading should she get?

3. When a cable is wrapped around a winch drum, the outside edge of the cable is longer than the edge closer to the drum of the winch.



Find the difference in length, to the nearest mm, between the inside and outside edges of a cable 10 mm in diameter that is wrapped around a winch drum of 75 cm diameter.