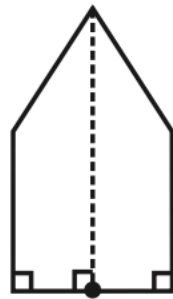
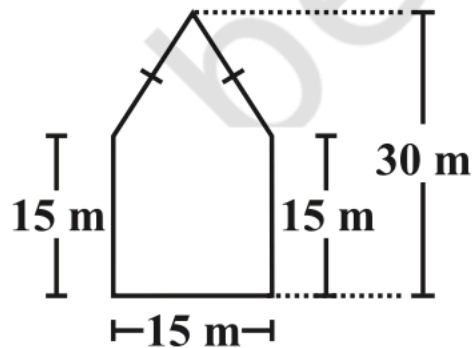




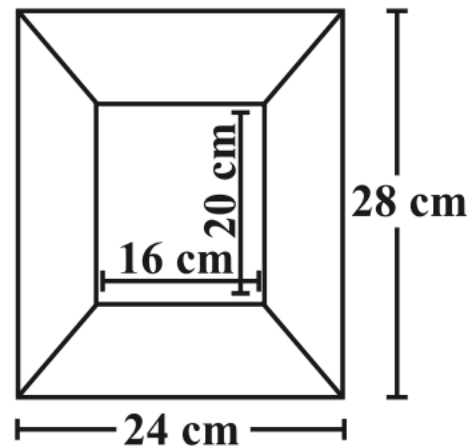
10. There is a pentagonal shaped park as shown in the figure.  
For finding its area Jyoti and Kavita divided it in two different ways.



Jyoti's diagram



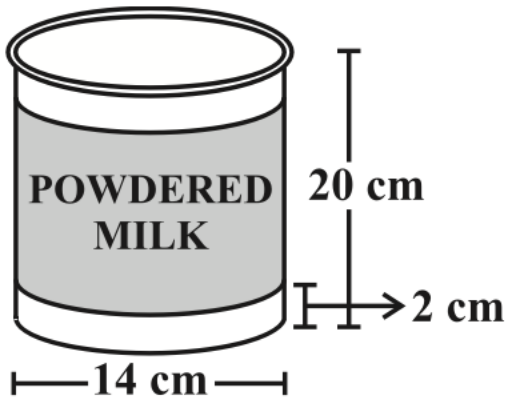
Kavita's diagram



- Find the area of this park using both ways. Can you suggest some other way of finding its area?
11. Diagram of the adjacent picture frame has outer dimensions =  $24\text{ cm} \times 28\text{ cm}$  and inner dimensions  $16\text{ cm} \times 20\text{ cm}$ . Find the area of each section of the frame, if the width of each section is same.

**Example 6:** In a building there are 24 cylindrical pillars. The radius of each pillar is 28 cm and height is 4 m. Find the total cost of painting the curved surface area of all pillars at the rate of ₹ 8 per  $\text{m}^2$ .

- 10.** A company packages its milk powder in cylindrical container whose base has a diameter of 14 cm and height 20 cm. Company places a label around the surface of the container (as shown in the figure). If the label is placed 2 cm from top and bottom, what is the area of the label.



**Example 6:** Salim bought an article for ₹ 784 which included GST of 12% . What is the price of the article before GST was added?

2. In a Laboratory, the count of bacteria in a certain experiment was increasing at the rate of 2.5% per hour. Find the bacteria at the end of 2 hours if the count was initially 5,06,000.