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Borders and Boundaries

The students of Venkatapur Primary School wanted to decorate their classrooms on Republic Day. They decided to decorate the blackboards by sticking streamers all around their edges.



How much of streamer paper should they buy for one blackboard?

The students measured the sides of blackboard Then they added the lengths of all the four sides-

$$2\text{ m} + 2\text{ m} + 1\text{ m} + 1\text{ m} = 6\text{ m}$$

Thus, the total length of streamer paper required is 6 m.

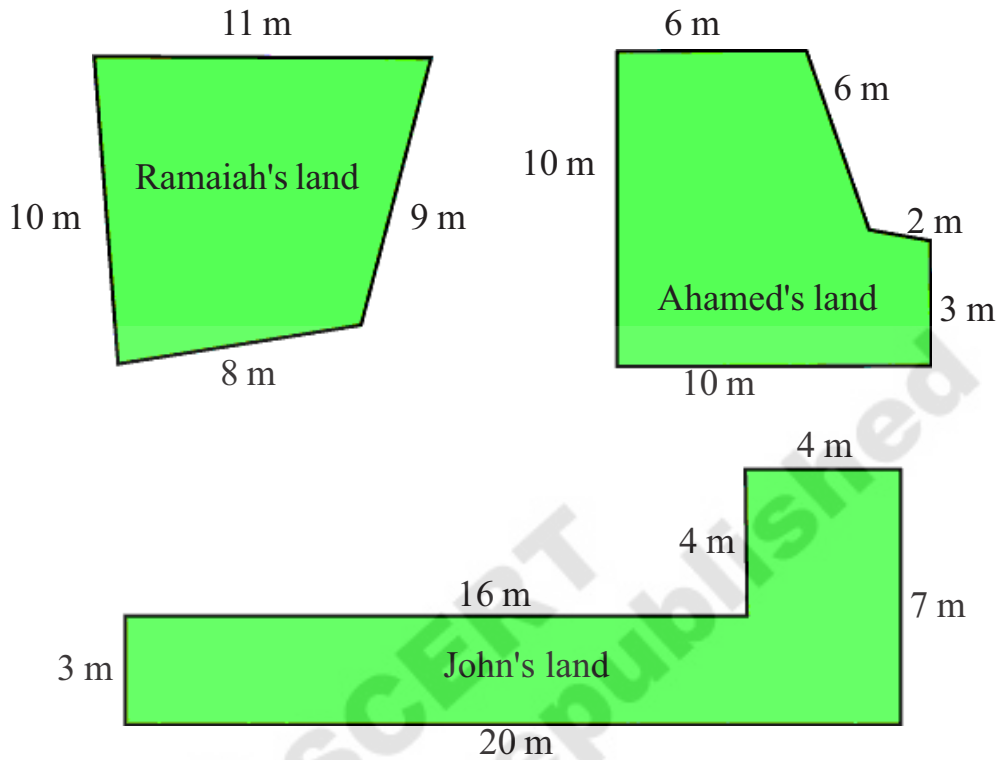
Are they correct? _____

The perimeter of the blackboard is 6 meters



Fencing the fields

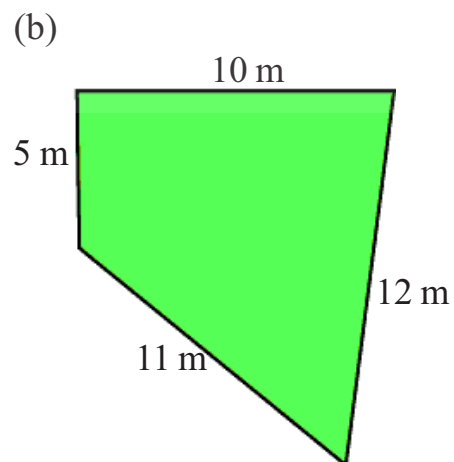
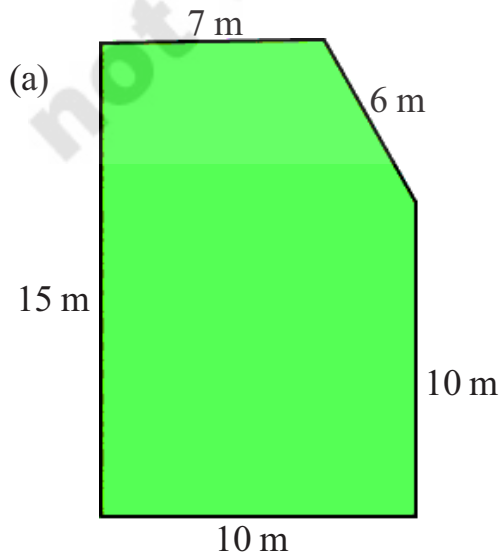
Ramaiah, Ahmed and John are friends. They have decided to fence their lands.



They went together and bought 100 meters of fencing wire. Will this be enough to fence all their fields?

Do This

1. Find the perimeter of the land spaces given below.



Try This

1. Estimate the perimeter of your classroom. Then measure it with a measuring tape.

Borders and Laces

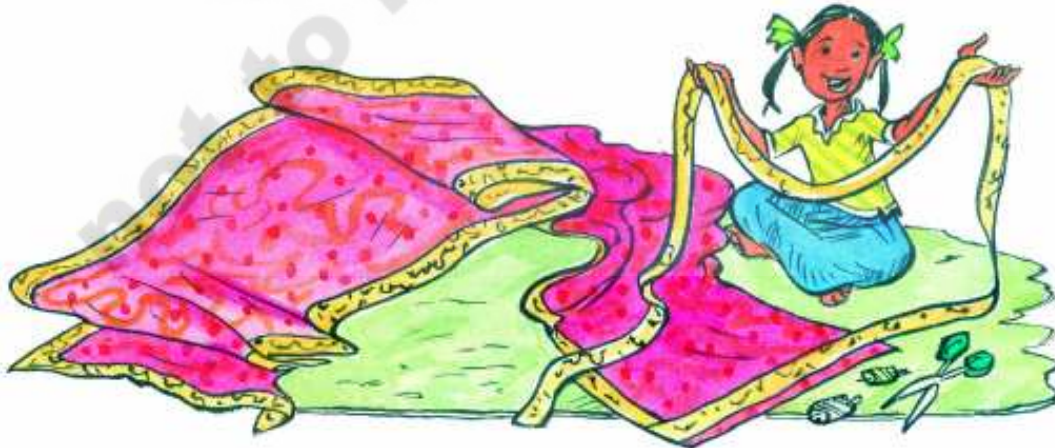
- (a) Salma went to the lace shop to buy lace for her dupatta. How much lace does she need? _____ 2 m 50 cm



- (b) If one meter of lace costs ₹ 12 then how much money will Salma pay to the shopkeeper? _____

Vasudha wants to put a special border all around her new sari. The length of the sari is 5m 50cm and its breadth is 1m 50cm.

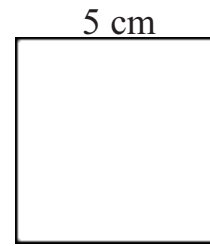
- (a) What is the length of border that Vasudha needs to buy? _____



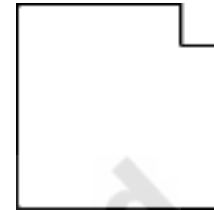
- (b) If 1m border costs ₹ 75, then how much does Vasudha have to pay to the shopkeeper? _____

Try This

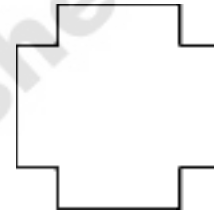
1. (a) What is the perimeter of this square? _____



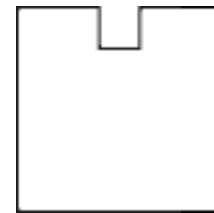
(b) If I remove a square of length 1 cm from one corner, will the perimeter of the square change?



(c) What happens when I remove from all four corners? _____



(d) What about here? _____



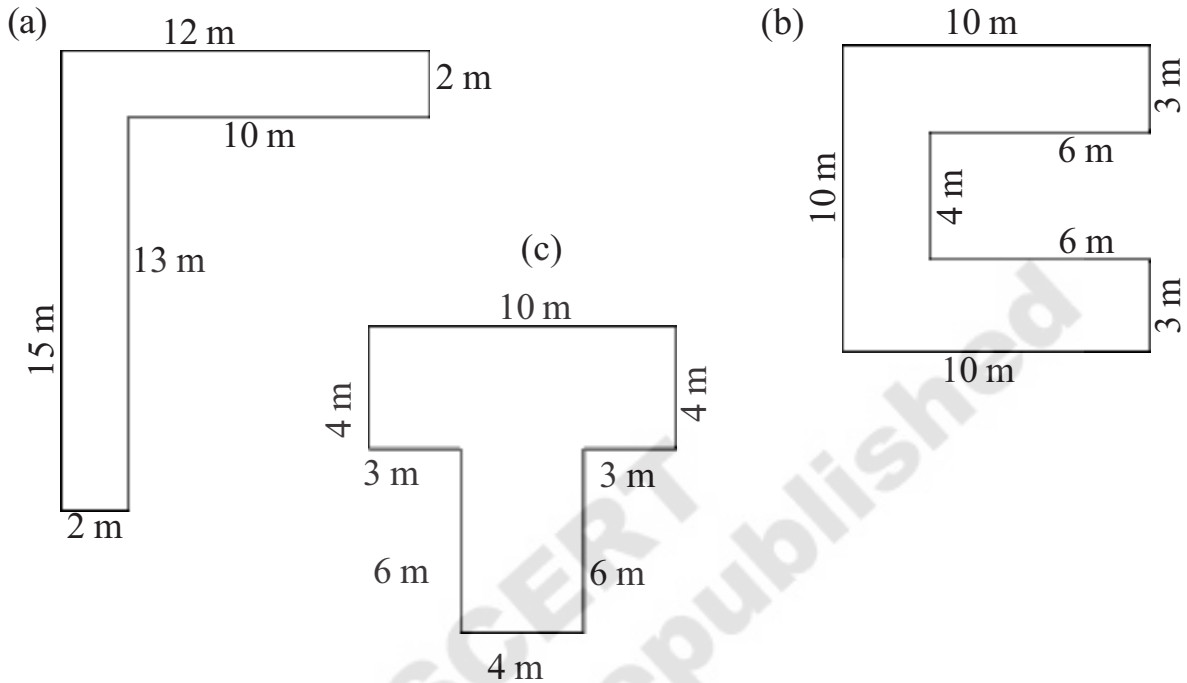
2. (a) How can we measure the perimeter of this field?



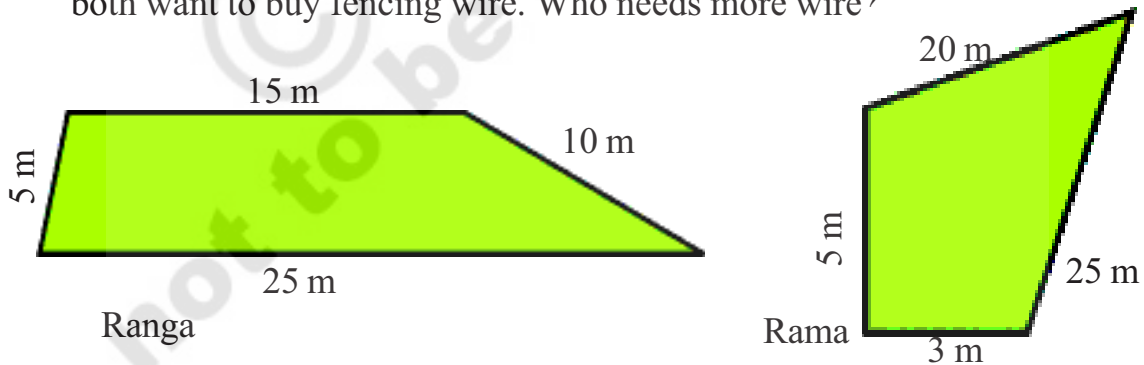
(b) Uma and Shreya are racing each other on a circular track. Uma is running on the inner track and Shreya is running on the outer track. Both are starting their run from different positions. Can you guess, why?

Exercise

1. Find the perimeter of the enclosures given below-



2. The measurements of Ranga's and Rama's fields are given below. They both want to buy fencing wire. Who needs more wire?



3. Ravi takes 3 rounds of this garden, everyday in the morning. What is the total distance he walks each day?

