



TOPIC – PERIMETER

WEEK : 21.12.2020 to 24.12.2020

LEARNING OUTCOMES

Each child will be able to:

- ❖ decorate their photo frame with lace and find out the length of the lace required.
- ❖ find out the length of the boundary of the given irregular figures and relate the concept with perimeter.

WARM UP ACTIVITY

Activity 1:

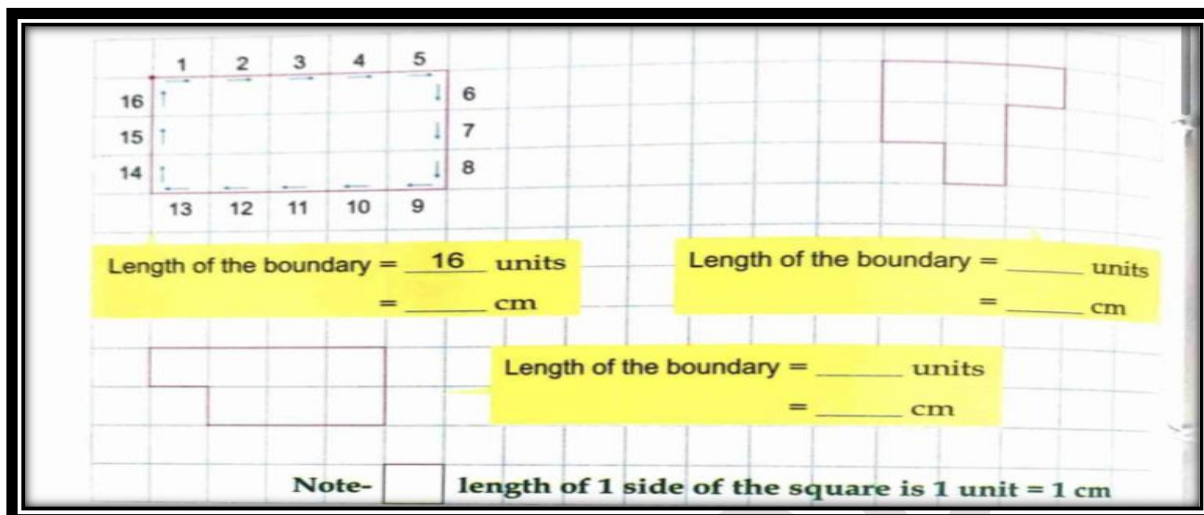
Make a photo frame using simple objects like cardboard, coloured sheets, cellophane sheet, fevistick and scissors. You need to decorate it by putting coloured lace around the boundary. Find out the length of the lace needed for the same.

- How did you measure the length of the lace needed?

- What are you actually measuring to find out the length of the lace?



We are actually measuring its boundary. Let's try finding out the length of boundary of some more figures: -

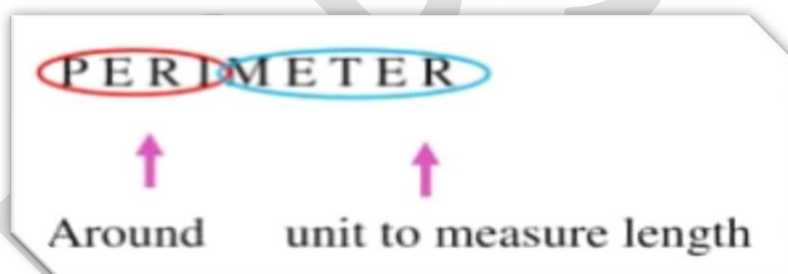


In figure 1, the length of the boundary is 16 units which is 16 cm.

In figure 2, the length of the boundary will be- ___ Units = ___ cm.

In figure 3, the length of the boundary will be- ___ Units = ___ cm.

So, students we observed that we need to add the length of each square around: -



Perimeter:

The length of the boundary of a closed figure is called the perimeter of the plane figure.

The units of perimeter are same as that of length, i.e. km, m, cm, mm, etc.

The perimeter of a two-dimensional (2D) shape is the distance around the shape.

Eg: -You can think of walking around the park, you walk the distance of the park's perimeter.

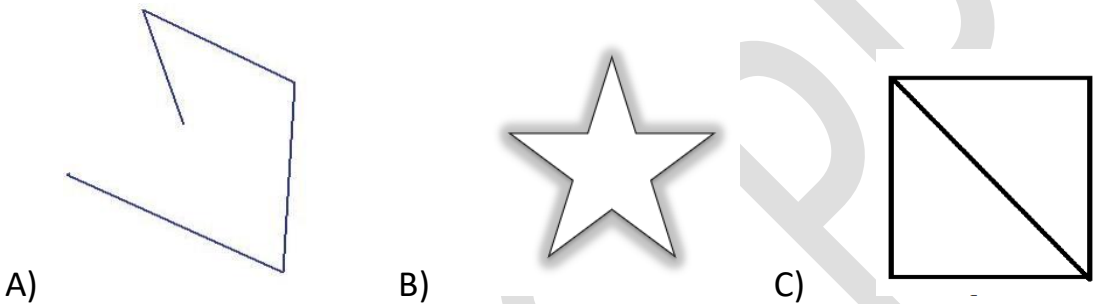


Remember:

- a) We can find out the perimeter of closed figures only, not for the open figures.
- b) Perimeter is the length of the boundary, so any inner lines or diagonals are not counted while finding it out.

(To be done in the notebook)

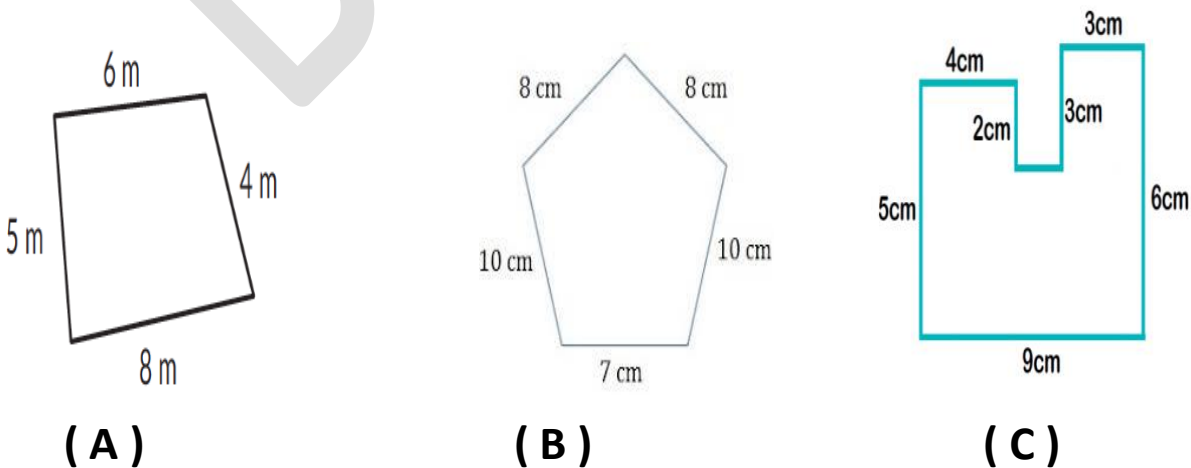
Q1. For which of the following figures we can find out the perimeter: -



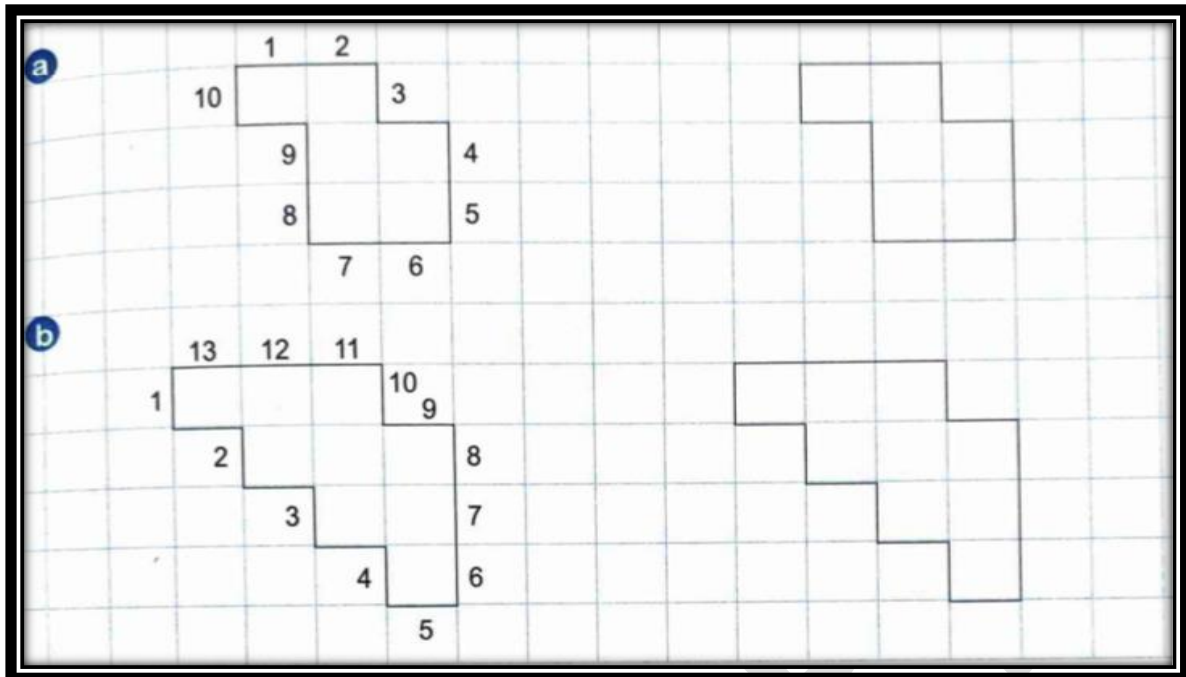
Perimeter of Irregular Figures

(To be done in the notebook)

Q2. Find out the Perimeter of the following figures: -



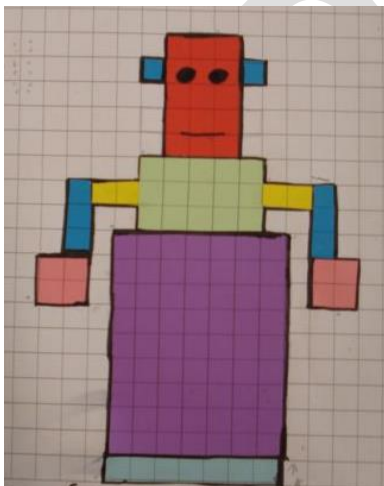
Q3. Can you spot the error/mistakes in finding the perimeter of the given shapes? Also find the correct perimeter.



FUN AT HOME

Students can take a square sheet from their mathematics notebook and make their own creative robot. Colour it nicely and then find its perimeter.

(Example attached)



Students, you can watch this video for better understanding-

<https://youtu.be/sCycWpUuJHs>



HAPPY LEARNING

