

ACTIVITY-14

MENSURATION

AREA OF A RECTANGLE

1. What we have to do?

To compute the Area of a rectangle by activity method.

2. What is required?

Thick paper, geometry box and adhesive.

3. How much time required for this activity?

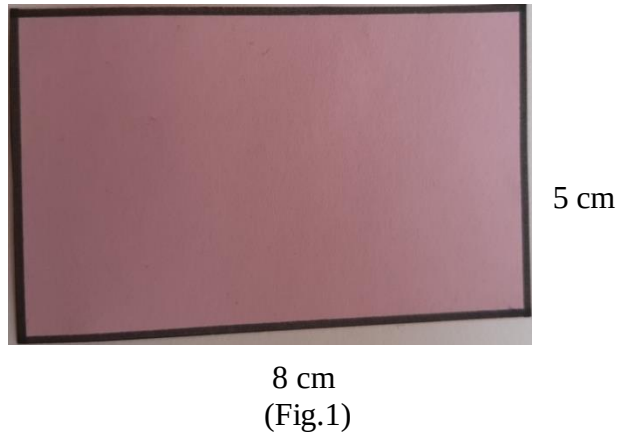
30-40 minutes.

4. What do you need to know?

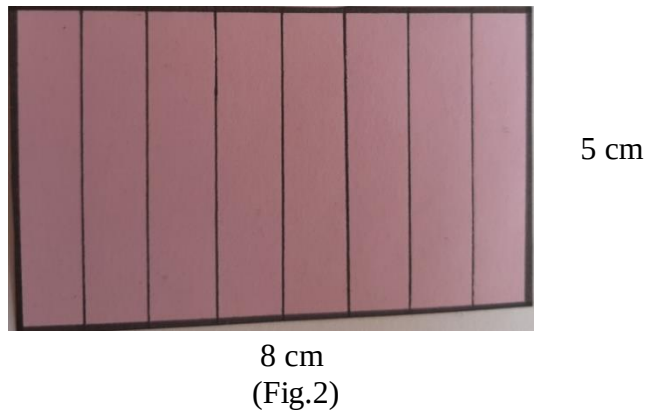
Knowledge of Area.

5. How will you proceed?

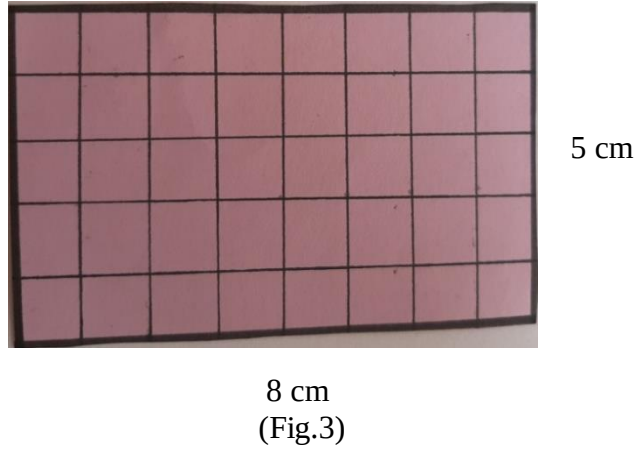
- a. Take a thick paper and draw a rectangle of length ($a = 8\text{ cm}$) and breadth ($b = 5\text{ cm}$) as shown in Fig.1.



- b. Draw lines parallel to the breadth of the rectangle at a distance of 1 cm each as shown in Fig.2.



- c. Draw lines parallel to the length of the rectangle at a distance of 1 cm each as shown in Fig.3.



6. **What have you observed?**

- In Fig.3, the number of unit squares in the first row are _____.
- The number of unit squares in second row are _____.
- The number of unit squares in third row are _____.
- The number of unit squares in fourth row are _____.
- The number of unit squares in fifth row are _____.
- Total number of unit squares are _____.

7. **What have you learnt?**

8. **What you have to do as extended activity?**

- A mason has to make a wall of size 16 m by 12 m. How many bricks of size 20 cm by 8 cm are required to construct this wall?

9. **Real Life Application:**

Area of Rectangle can be used practically in constructing buildings, making/designing photo frame, architecture, science, etc.