

ACTIVITY-13

MENSURATION

PERIMETER OF A SQUARE

1. **What we have to do?**

To formulate the Perimeter of a Square by playway method.

2. **What is required?**

Thick paper, a pack of matchsticks and adhesive.

3. **How much time required for this activity?**

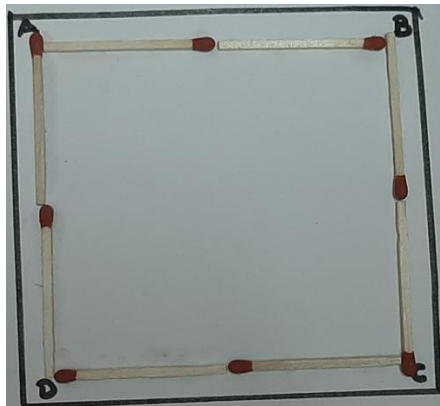
30-40 minutes.

4. **What do you need to know?**

Meaning of Perimeter.

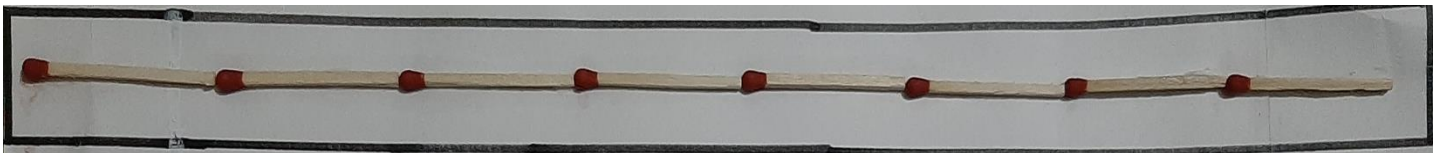
5. **How will you proceed?**

- a. Take a few matchsticks and arrange them on a thick paper to make it a square and name it as ABCD as shown in Fig.1.



(Fig.1)

- b. Now, rearrange the matchsticks to get a straight line as shown in Fig.2.



(Fig.2)

- c. Count all the matchsticks.
d. Sum of the lengths of Square ABCD = $AB + BC + CD + DA$
 $= (2 + 2 + 2 + 2 + 2)$ matchsticks
 $= (4 \times 2)$ matchsticks

6. What have you observed?

- How many matchsticks are used to make a square?
- How many matchsticks will each side has in Fig.1?
- How many matchsticks are arranged in a straight line?
- What will be the formula of the Perimeter of a Square?

7. What have you learnt?

8. What you have to do as extended activity?

- Sumit takes 3 rounds of a square park every day. If each side of a square park is 450 m, how much distance covered by him in a week?

9. Real Life Application:

Perimeter of Square can be used in many areas like fencing, for construction purposes etc.