

Area



Objective

The child will be able to

- Find the area of the square using BRICKS.

Word Wall

Word: Area

Meaning: Space occupied by an object.

Word: Square

Meaning: All sides are equal
Area = side x side

Pre Knowledge Check

The child should be able to

- Recognize numbers and
 - Count forward
 - Add and
 - Multiply
- to successfully complete the activity.

ASK

Can we find the space occupied by an object?

Yes, by finding the area covered by an object.

IMAGINE

Masha bought a square shaped photo frame.

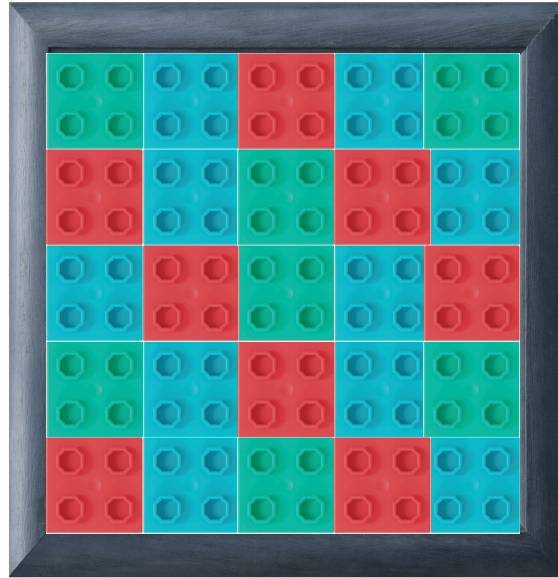
What will be the space occupied by the photo frame?



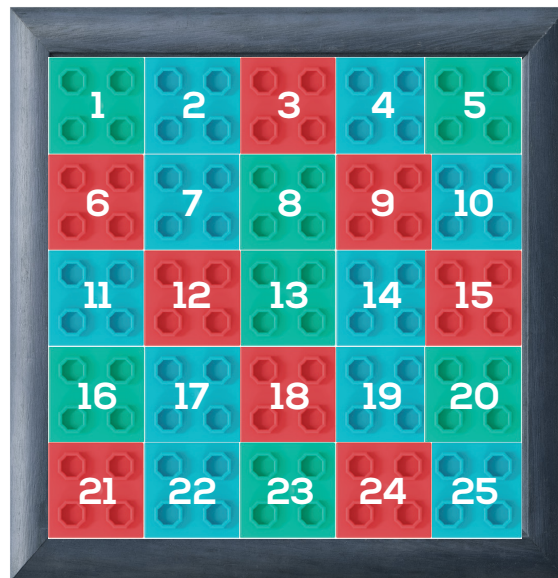
PLAN

We can find the space occupied by the photo frame by finding its area. Let us understand this concept using BRICKS.

Step 1: Arrange the BRICKS to cover the photo frame completely, as shown.



Step 2: Count the total number of BRICKS.



The total number of BRICKS will be 25.

Thus, by arranging the BRICKS inside the square, we can say that:

The area of the photo frame is 25 BRICKS.

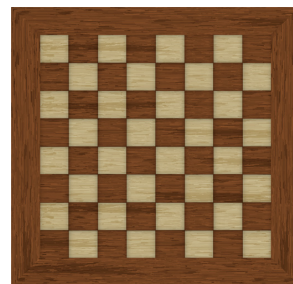
CREATE

Find the area of the clock whose side is 3 BRICKS long.



ANALYZE

Will the area of the carrom board of side length 7 BRICKS be the same as the area of the chessboard of side length 4 BRICKS.



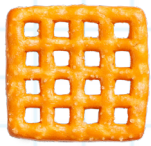
EXTEND

The area of a square shaped ludo board is 36 BRICKS. Find its side length.

Worksheet

I. Measure the sides and find the area of the following squares?

a)



2 BRICKS



b)



4 BRICKS



2. Match the following using BRICKS.

a)



7 BRICKS



81

b)



9 BRICKS



36

c)



6 BRICKS



49