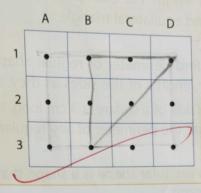


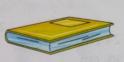
w the shape whose vertices are positioned at (1, B), (3, B) and (1, D).



Apply Your Learning

ching Your Surroundings

is very curious to know where she can see the solid shapes given in the chapter. So, her her asked her to collect some objects such as dictionary, globe, dice and can. She asked whether these objects are three-dimensional or not. Anu said yes. She then asked Anu to the edges, faces and corners of each object, and also write their number.

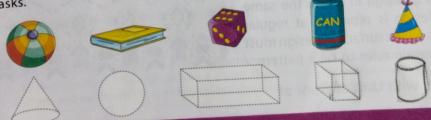








en her teacher asked her to match these objects with their most appropriate solid apes and to draw the solid shape by joining the dotted lines. Help Anu in completing ese tasks.

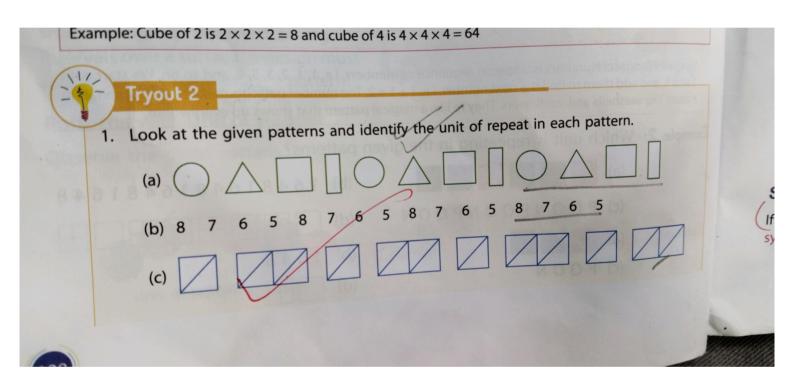


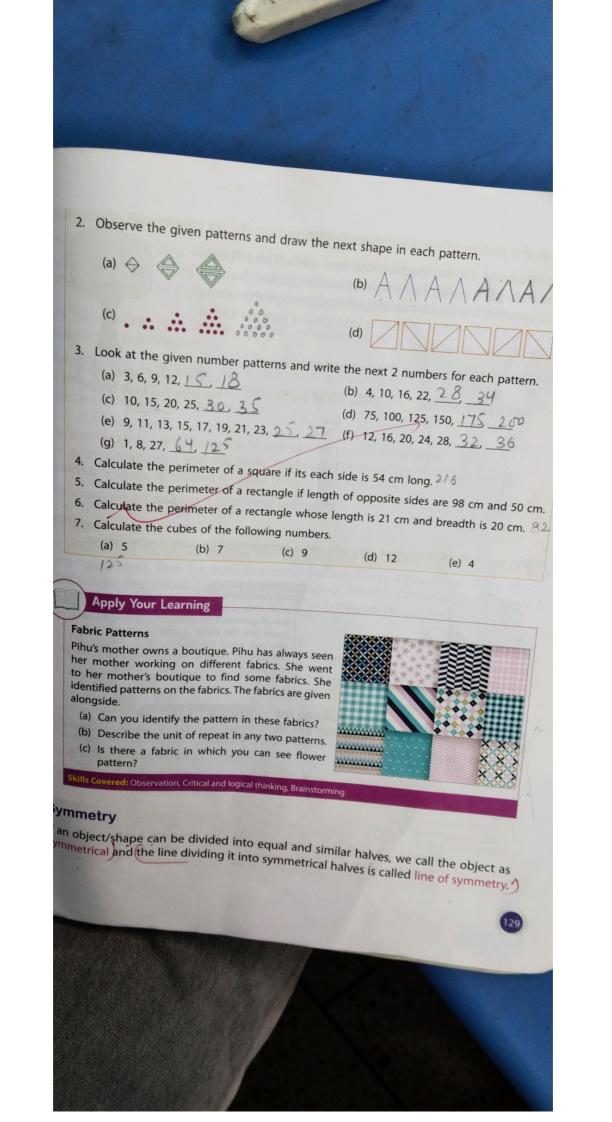
ills Covered: Observation, Critical and logical thinking, Brainstorming

meter and Area

neter is the distance around the outside of a shape. It's like tracing the out your finger.

e are two types of shapes - regular and irregular. Let's learn more about the







Tryout 3

 How many line(s) of symmetry is/are there in the following figures? Draw the I symmetry.

(a)





2. Draw the other half of the following figures so that they are symmetrical about the d line.

(a)



(b) 2 3 3

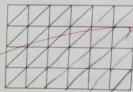


3. Draw or colour the tiles in the given figures to make a tiling pattern.

(a)



(b)



4. Make the following letters using tans.

(a) 1

(b) O

(c) A



Apply Your Learning

Rangel

There is wedding in Mohit's house. The whole house is decorated with flowers and lights. Mohit's mother made a big rangoli in front of the house. Look at the image of rangoli made by Mohit's mother and answer the following questions.



- (a) Which shapes are used in the rangoli?
- (b) How many circles are there in the rangoli?
- (c) How many triangles of different colour are there in the rangoli?
- (d) Is this rangoli symmetric? If yes, how many lines of symmetry does it have?
- (e) Make a rangoli that has two lines of symmetry using flat shapes,

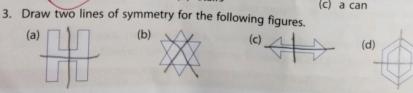
Skills Covered: Observation, Critical and logical thinking, Brainstorming, Applicative thinking

Let's Review

- Two-dimensional shapes such as square, rectangle, circle and triangle are called flat shap
- A flat shape has corners, sides and diagonals.
- Three-dimensional shapes such as cube, cuboid, sphere, cone and cylinder are called solid shap
- A solid shape has faces, edges and vertex.
- In dot grid, distance between two adjacent dots is fixed both horizontally and vertically.
- Pattern is an arrangement of repeated designs, figures, letters or numbers. All patterns followed a certain rule.
- If an object can be divided into two equal and similar parts, it is called symmetrical and the line that divides it into symmetrical halves is called the line of symmetry.
- The arrangement of tiles in a pattern such that there is no gap between them and they also do not overlap is called tiling.
- Tangram is a Chinese puzzle made up of 7 pieces of square.

Time to Perform 1. Choose the correct answers. (a) What is the figure with 3 corners and 3 sides called? (i) Square (ii) Cone (iii) Cylinder (iv) Triangle (b) How many sides, vertices and diagonals are there in a rectangle? (i) 4 sides, 4 vertices, 1 diagonal (ii) 4 sides, 3 vertices, 4 diagonals (iii) 4 sides, 4 vertices, 2 diagonals (iv) 4 sides, 4 vertices, 4 diagonals (c) What is the name of the side where faces of a solid figure meet? (i) Vertex (iii) Edge (iii) Face (iv) Centre (d) How many vertices does a cube have? (i) 12 (iii) 8 (e) How many faces does a sphere have? (iv) 4 (ii) 2 (iii) 3 (iv) 4 2. On a dot grid make the following figures.

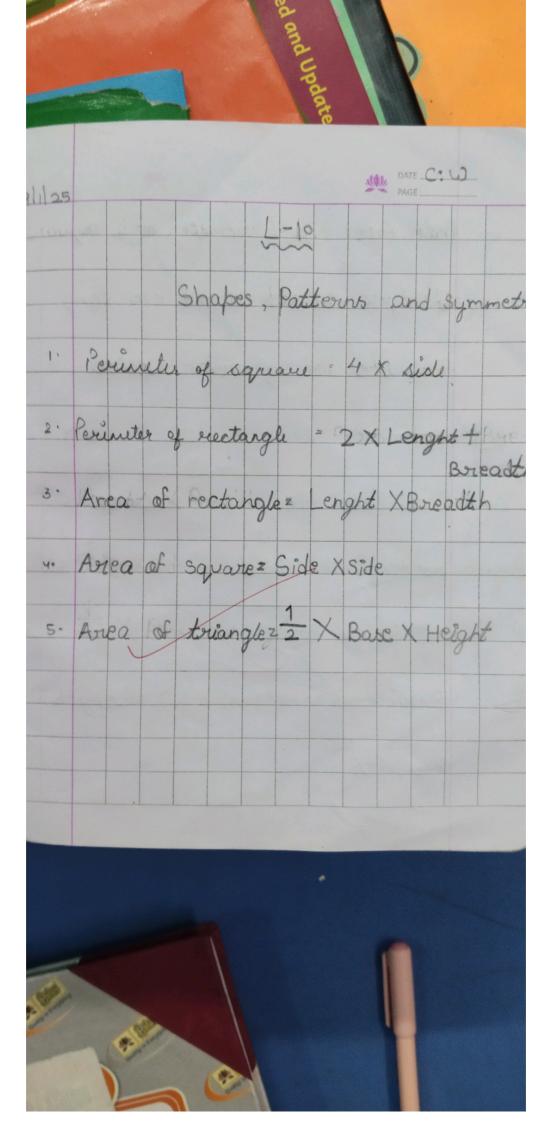


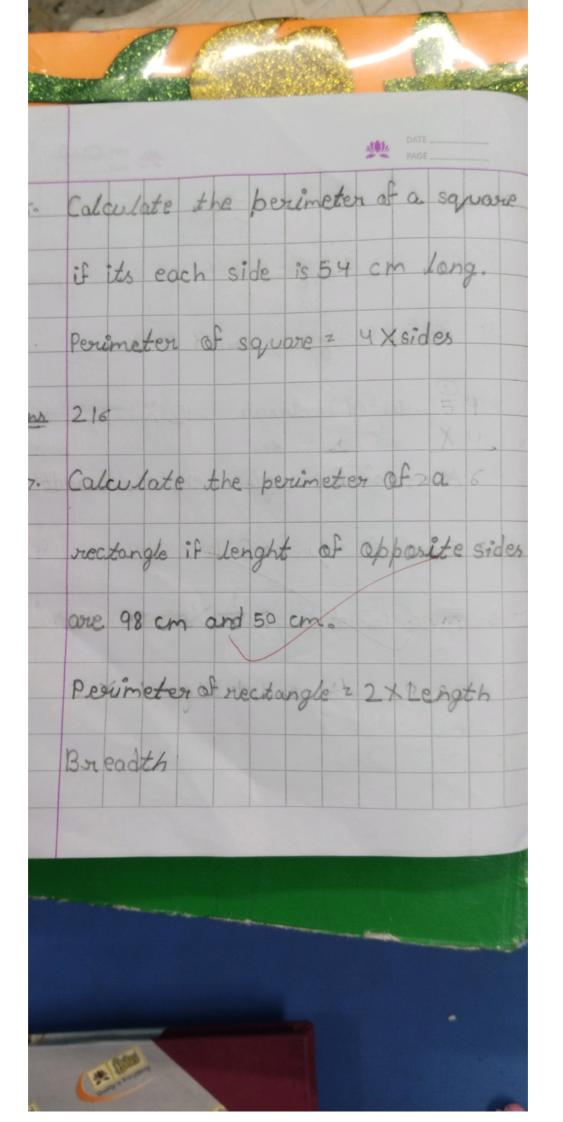


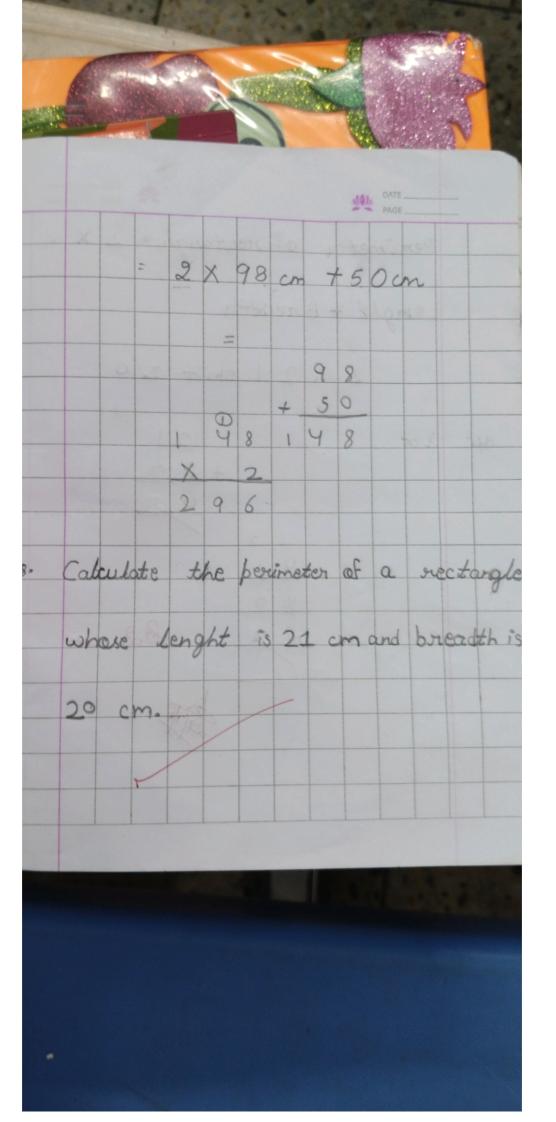
(c) a can

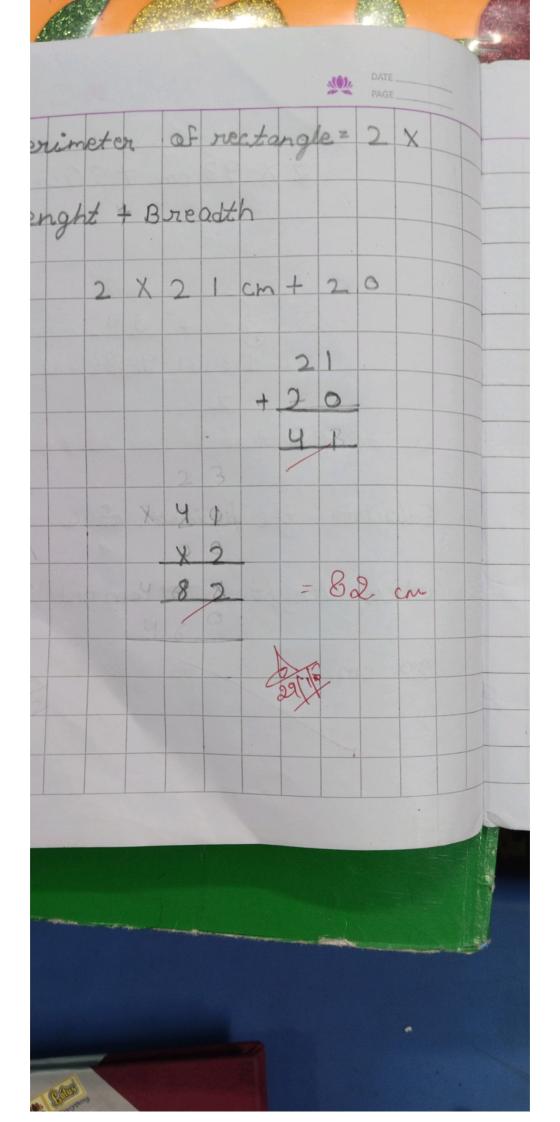


4. Draw and colour the tile which is used to make each of the following tiling pattern. (b) 5. Identify in which of the following a wrong piece is used. Which of the following cannot 6. In which of the following the dotted line divides the picture symmetrically into two similar halves? (c) 7. Complete the following patterns. (b) 11, 22, 33, 44, 55, <u>66</u>, <u>77</u> (a) 3, 6, 11, 18, 27, 38, <u>51</u>, <u>66</u> Let's Crack These Problems Observe the pattern in each figure and then find the missing numbers. (5) (6) (10) 14











Learn and Write all given work of Maths in your Notebook and book with neat and clean handwriting.

The copies will be checked tomorrow.

Learn all synonyms

2.57 PM