- Q1. Is it a closed shape? How many sides are there?
- Answer:
 - A shape is closed if all lines connect end-to-end without any gap.
 - In Rohini's shape, yes it is closed.
 - Number of sides = 6 sides.
- Q2. When the angle changes, does the shape also change?
- Answer:

Yes. Even if the number of sides remains the same, changing the **size of the angles** (big/small) between the sides can change the overall shape of a polygon.

For example:

- A regular hexagon has all angles equal.
- A hexagon with unequal angles looks irregular.
- **Q3.** Find angles of same size (colour-coded). Mark others with same colour.
- Answer:

This is a practical activity:

- 1. Observe the angles marked in red, yellow, blue, and green.
- 2. Find angles in the shape which visually match them in size.
- 3. Colour all matching angles with the same colour.
- Q4. Practice Time Look at the shape and answer:
 - 1. Which angle is the biggest?
 - o Look at all angles and identify the one that looks widest.
 - For example: If the red angle is visibly the widest, answer = **Red**.
 - 2. Are angles marked with the same colours equal?
 - o (a) Yellow angles: Visually compare. If same, answer = **Yes**.
 - o (b) Green angles: Compare. Answer accordingly.
 - (c) Blue angles: Compare again. Answer accordingly.
- **▼ Tip:** Use a paper corner (right angle) or protractor to check.
- Q5. Angles in Names How many right angles? Less than? More than?

- Example name: MOHINI
 Right angles (90°): Look at letters like M, H, N, I each has right angles.
 - Total right angles = approx. 11
 Angles less than 90° (acute): Some in M, H, N
 - o Total = **10**
 - Angles more than 90° (obtuse): Observe curves or wide angles, like in M or H.
- Now try it with your name:
 - Write it in capital letters using straight lines.
 - Count all right, acute, and obtuse angles.
- ♦ Q6. Activity with Math-Magic books Which slide is steeper?
- Steps:
 - 1. Stack **10 books** and make a slope by placing one book slanted.
 - 2. Roll a ball Observe the speed.
 - 3. Repeat with 6 books.
- Answer:
 - The slide with **fewer books (6)** is **steeper** because it forms a smaller angle with the table, making the ball roll down faster.
- Q7. Bird Beak Angles Identify smaller than right angles
- Steps:
 - Look at pictures of bird beaks in the book.
 - Compare each angle to a 90° angle (use a paper corner or protractor).
 - Tick those less than 90° they are acute angles.
- Q8. Branch Angles Which two branches make the biggest angle?
- Answer:
 - Look at the fork between branches in each case.
 - Estimate which one opens the widest.
 - That's the biggest angle likely near 180°.

✓ Summary:

Concept	Example / Tip
Concept	Example / mp

Right Angle Letter 'L' or corner of a book = 90°

Acute Angle (< 90°) Letter 'M' or bird beak

Obtuse Angle (> 90°) Wide fork between branches

Closed Shape A figure with connected lines

Open Shape Lines not joined to form a closed figure

Steep Slide = Smaller Angle Fewer books = ball rolls faster