

## 2.2.21 Properties of 2D Shape- Angles

Write the answers in your jotter.

Which triangles could each child be describing?

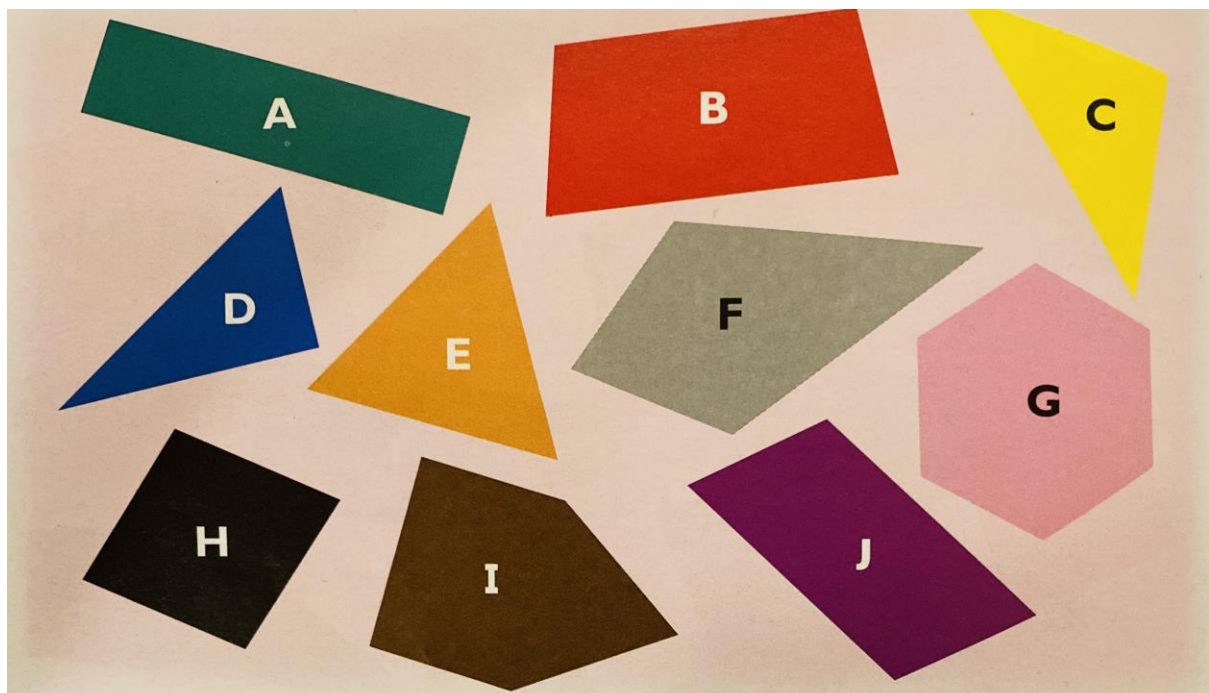
**Leah**: All of its sides **and** angles are equal.

**Ethan**: It has only two equal sides and two equal angles.

**Isaac**: None of its sides or angles are equal.

**Dion**: One of its angles is a right angle.

The image shows 12 triangles labeled A through L, each with a different color and shape. The triangles are scattered across the page. A: Yellow, right-angled isosceles. B: Purple, acute scalene. C: Green, obtuse isosceles. D: Orange, acute scalene. E: Blue, acute scalene. F: Light blue, obtuse scalene. G: Dark green, right-angled isosceles. H: Brown, obtuse scalene. I: Pink, acute scalene. J: Tan, acute scalene. K: Dark blue, acute scalene. L: Red, obtuse scalene.



2 Which of the shapes

- |                                                                           |                                       |
|---------------------------------------------------------------------------|---------------------------------------|
| (a) have <b>all</b> angles equal                                          | (b) has <b>only</b> right angles      |
| (c) has only obtuse angles                                                | (d) has only acute angles             |
| (e) has only two right angles                                             | (f) has only one pair of equal angles |
| (g) has right, acute <b>and</b> obtuse angles                             |                                       |
| (h) has only one pair of <b>opposite</b> angles equal                     |                                       |
| (i) have no right angles and only two pairs of opposite angles equal      |                                       |
| (j) has no right angles and only one pair of <b>adjacent</b> angles equal |                                       |
| (k) has <b>no</b> equal angles?                                           |                                       |