Unit I5

Strengthen activities

MISCONCEPTION: Children may not understand the concept of angles as pictorial representations of a degree of turn.

Answers

2. A quarter turn to the left from 12 points to 9, to the right it points to 3

Posters will vary.

MISCONCEPTION: Children may struggle to identify the different types of triangles when their orientation is unfamiliar.

Answers

Children should be able to identify the correct triangles this time.

MISCONCEPTION: Children may think that any line which splits a shape into halves is a line of symmetry.

Answers

1. A line of symmetry will always cut a shape in half but a line that cuts a shape in half will not always be a line of symmetry.

Children should be able to find classroom objects and identify any lines of symmetry in the shapes they make.

Deepen activities

Answers

Activity 1

Never true, as the internal sum of angle is 180°. If one of the angles is a right angles (90°), then the sum of the other two angles must make 90°. An obtuse angle is over 90°, so therefore it is not possible for a triangle to have both a right angle and obtuse angle.

Activity 2

False. Regular hexagons have 6 lines of symmetry, but it is possible for irregular hexagons to have lines of symmetry too.

Activity 3

Ensure that shapes are drawn accurately and that their names and properties are also accurate.

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