Unit I3

Strengthen activities

MISCONCEPTION: Children may find the protractor difficult to use if the angle is not presented with a horizontal 'base'. They may struggle to see which scale to use when measuring a given angle.

Answers

Assessment checkpoint:

Answers will vary. Check they have used protractor correctly.

MISCONCEPTION: Children may find the complementary angles to 200° rather than 180° when calculating angles on a straight line.

Answers

Assessment checkpoint:

a = 140°, b = 105°, c = 10°

Ensure children subtract the known angle from 180.

MISCONCEPTION: Children may try to spot lengths or angles that look the same rather than using reasoning based on properties.

Answers

See practice book answers

Deepen activities

Answers

Activity 1

Answers will vary and may include:

- They are two congruent triangles.
- They are both right-angled triangles.
- The internal angles of each triangle will be 60°, 90° and 30°.
- Each triangle has one right angle and two acute angles.

Activity 2

It is always true.

Activity 3

a) The other child would need to turn 270° anticlockwise to face the same direction.

b) A general rule should identify that the anticlockwise degree of turn is 360° subtract the clockwise degree of turn. E.g. 45° clockwise = 315° anticlockwise, because 360 – 45 = 315.