

Chapter 15 – Activity 3 - Questions 8, 9, 10 and 11

Page 251

- 8 Mandy wanted to rotate each of these shapes as part of her wall paper design.
Draw these shapes after a rotation about X. The angle and direction are given underneath each.

a 180° clockwise



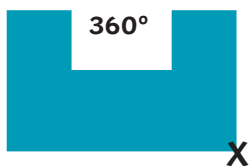
b 90° anti clockwise



c 90° clockwise



d 360°



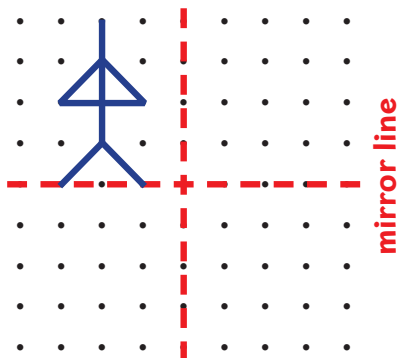
e 180° anti clockwise



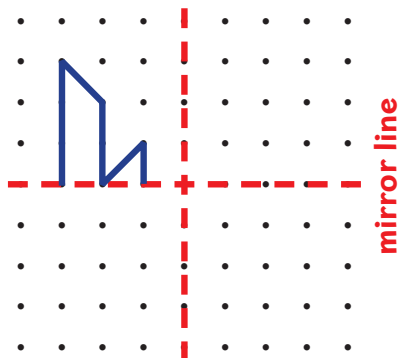
- 9
- Rotate the shape in question 8 a 180° anti clockwise about X.
 - Rotate the shape in question 8 e 180° clockwise about X.
 - What can you say about rotating shapes through 180°?

- 10 Reflect these shapes in one mirror line.
Then reflect the whole shape in the second mirror line.
Does it matter in which line you reflect first?

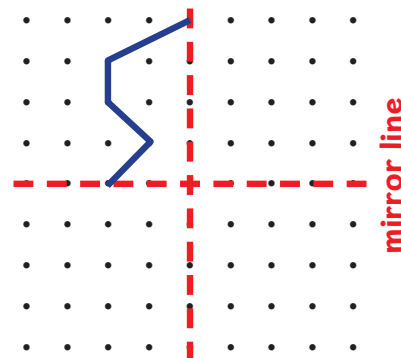
a mirror line



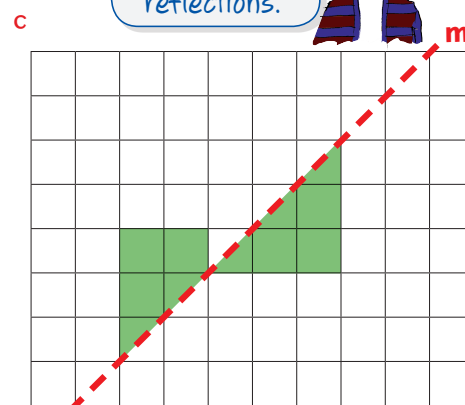
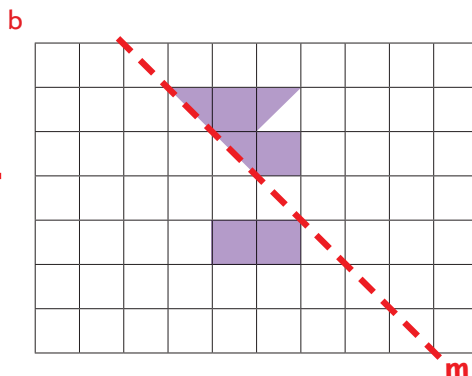
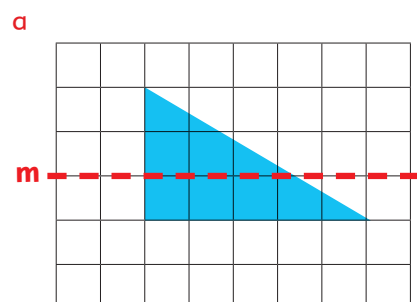
b mirror line



c mirror line



- 11 Draw the reflection of each shape in the mirror line.



Use different
colours for the
reflections.

