

## 110

- 1 (a) 1 (b) 2 (c) 1  
(d) 0 (e) 1 (f) 0
- 2 (a) – (b) Children's answers will vary.
- 3 (a) 2 (b) 1 (c) 2  
(d) 1 (e) 0 (f) 1

## 111

- 1 Children should have coloured symmetrical designs.
- 2 Children's designs will vary.

## 112

- 1 (a) 6, 5 (b) 1, 1 (c) 4, 4  
(d) 2, 3 (e) 4, 1 (f) 6, 2
- 2 (a) blue circle (b) yellow pentagon (c) green semi-circle  
(d) red rectangle (e) yellow triangle

## 113

- 1 (a) (3, 2)  
(b) (4, 4)  
(c) (1, 1)  
(d) (2, 3)  
(e) (3, 5)  
(f) (0, 4)  
(g) (5, 3)  
(h) (4, 0)
- 2 (a) orange (b) brown (c) yellow (d) blue (e) red  
(f) purple (g) green (h) white (i) black

## 114

- 1 (a) Old Tower (b) Skullrag (c) Darkwood (d) Castle
- 2 (a) South (b) North-west (c) West (d) South-east
- 3 (a) Quicksand (b) Old Tower (c) Darkwood
- 4 (a) North-east (b) South-west
- 5 (a) A quarter turn clockwise  
(b) A quarter turn anti-clockwise  
(c) A half turn

## 115

- 1 (a) yellow  
(b) green
- 2 (a) – (c) Children's answers will vary.
- 3 Children's answers will vary.

## 116

- 1 (a) West (b) South  
(c) North-east (d) North
- 2 (a) Green Rock (b) Shark Reef  
(c) Isle of Brax (d) Ship
- 3 (a)  $90^\circ$  anti-clockwise, or  $270^\circ$  clockwise.  
(b)  $45^\circ$  clockwise, or  $315^\circ$  anti-clockwise.  
(c)  $180^\circ$  clockwise, or  $180^\circ$  anti-clockwise.  
(d)  $45^\circ$  anti-clockwise, or  $315^\circ$  clockwise.