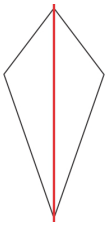
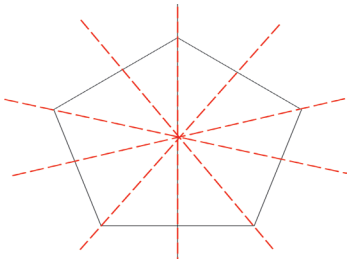
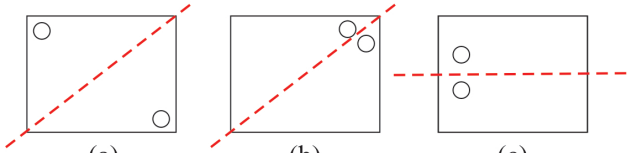
9 Symmetry
Answer Key

1. (c) 2. (d) 3. (d) 4. (a) 5. (b)

6. Yes,  one line of symmetry.

7.  5 lines of symmetry

8. (a) (b) (c)

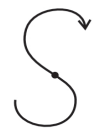
9. 
(a) (b) (c)

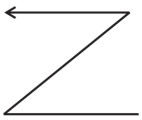
10. 120°, 240°, 360°

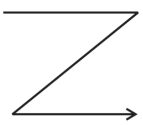
11.
Original Position

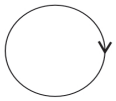
Rotated through 180°

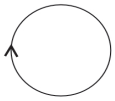
Original Position


Rotated through 180°

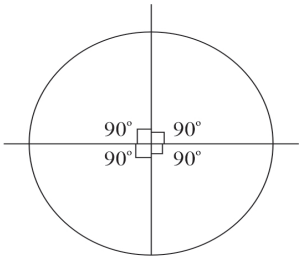

Original Position


Rotated through 180°


Original Position

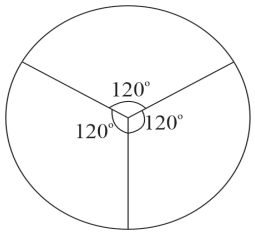

Rotated through 180°

12. (a)



It has 4 angles of symmetry: 90°, 180°, 270°, 360°

(b)



It has 3 angles of symmetry: 120°, 240°, 360°

13. Angles of symmetry are:- 120°, 180°, 240°, 300°, 360°

14. 20°

15. (a) 20° (b) 18 (c) 18

Case Study Based Questions

1. (i) d (ii) d (iii) a (iv) c

2. (i) c (ii) a (iii) b (iv) d

Assertion & Reason

1. B 2. D 3. A