

7. Rotation of 90° clockwise about G.
8. Rotation of 90° clockwise about H.



G

H

9. Rotation of 270° anticlockwise about I.
10. Rotation of half a turn clockwise about J.



I

J

11. Rotation of 180° clockwise about K.
12. Rotation of three quarters of a turn anticlockwise about L.



11. Rotation of 180° clockwise about K.
12. Rotation of three quarters of a turn anticlockwise about L.



E

F

Exercise B

Draw the image position of each shape under the stated transformation. (If necessary trace over the shape using tracing paper, place the point of a compass on the centre of rotation and rotate the tracing paper appropriately to view the rotation.)

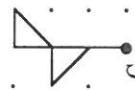
1. Rotation of 90° anticlockwise about A.
2. Rotation of 90° clockwise about B.



A

B

3. Rotation of one quarter of a turn clockwise about C.
4. Rotation of half a turn clockwise about D.



C

D

5. Rotation of 180° anticlockwise about E.
6. Rotation of one quarter of a turn anticlockwise about F.



E

F

13. Rotation of 90° anticlockwise about M.
14. Rotation of 90° clockwise about N.
15. Rotation of 45° clockwise about O.
16. Rotation of 60° anticlockwise about P.



17. Rotation of 70° clockwise about Q.
18. Rotation of 150° anticlockwise about R.



O

P

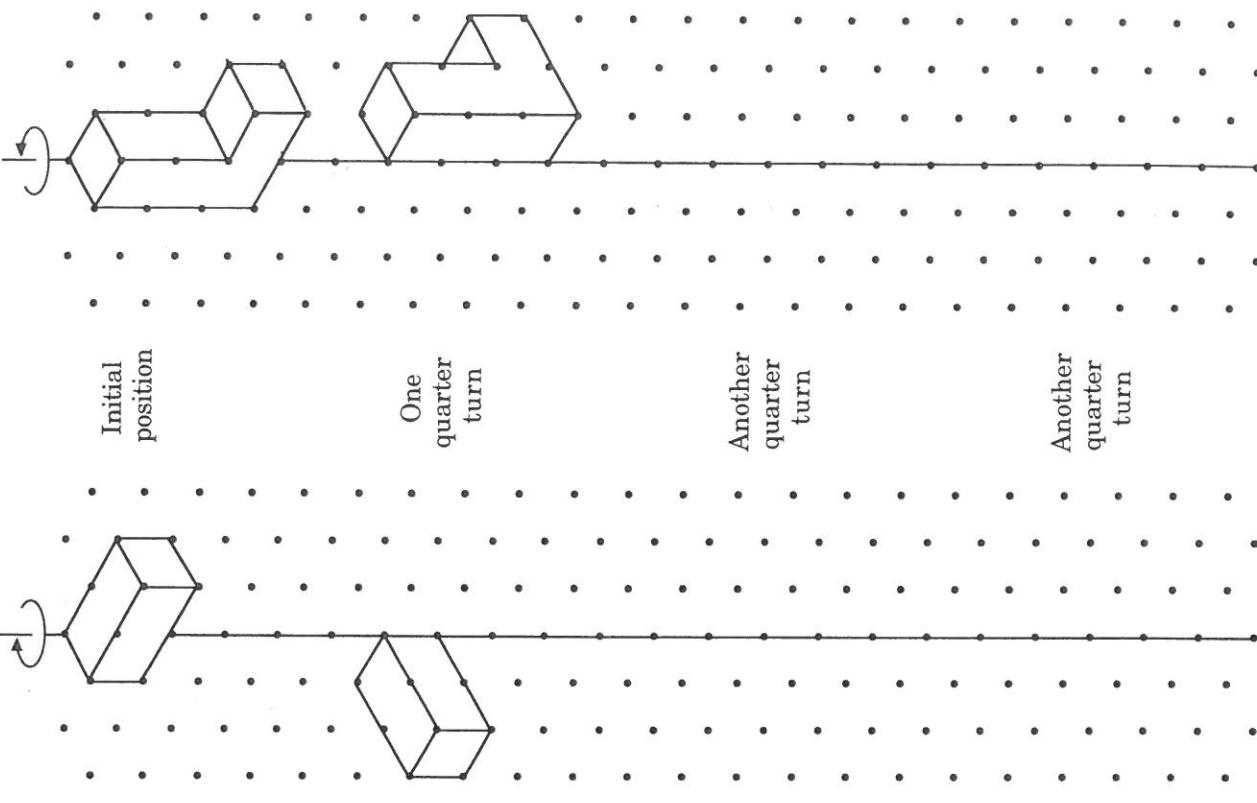


R



Q

19. Complete each set of four diagrams shown below.



- S 5.2: Visualises .. 3D shapes & .. produces conventional mathematical drawings of them. S 15b.5
 S 5.3: Visualises and sketches the effect of straightforward .. rotations ... using suitable grids. S 15c.5
 S 6.2: Interprets and meets specifications requiring the accurate construction and placement of figures and objects including manipulating shapes and arrangements mentally. S 15b.6

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