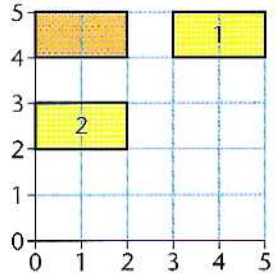
TARGET To represent the position of a shape after a translation.

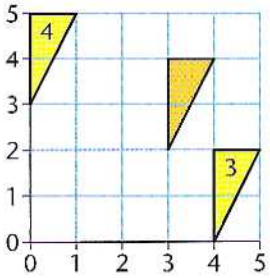
To translate a shape means to slide it into a new postion.

Examples

Translate the orange shapes as follows:

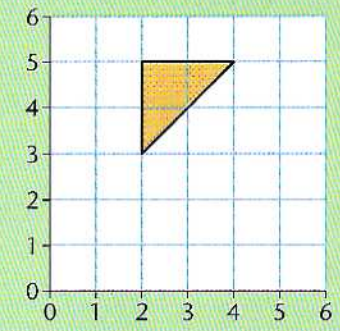
1. R3 (right 3 squares)
2. D2 (down 2 squares)
3. R1 D2 (Right 1 Down 2)
4. L3 U1 (Left 3 Up 1)



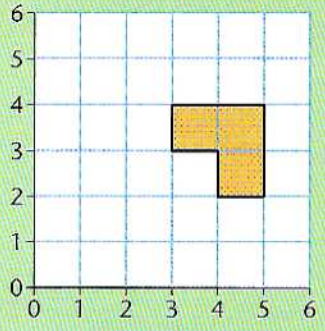


A

Copy the grids and the shapes. Translate each shape 3 times.



1. L2
2. D3
3. R2



4. D2
5. L3
6. U2

B

1. Copy the grid in Section A.
   a) Plot these points. (1, 6) (2, 4) (3, 6). Join them up to draw a triangle.
   b) Translate the triangle R2. Give the co-ordinates of the new position.
   c) Translate the original triangle D4. Give the new co-ordinates.
2. Draw a new grid. Plot these points and join them up in the order given.

   (5, 0) (5, 2) (6, 3) (6, 1) (5, 0)

   Translate the quadrilateral:
   a) U3
   b) L2.

   Give the co-ordinates of the new positions.

C

1. Draw a new grid.
   a) Plot these points and join them up to draw a triangle. (1, 2) (2, 4) (3, 1)
   b) Translate the triangle R2 D1. Give the co-ordinates of the new position.
   c) Translate the original triangle L1 U2. Give the new co-ordinates.
2. Draw a new grid. Plot these points and join them up in the order given.

   (2, 4) (2, 5) (4, 3) (3, 2) (2, 4)

   Translate the quadrilateral:
   a) R2 U1
   b) L2 D2.

   Give the co-ordinates of the new positions.