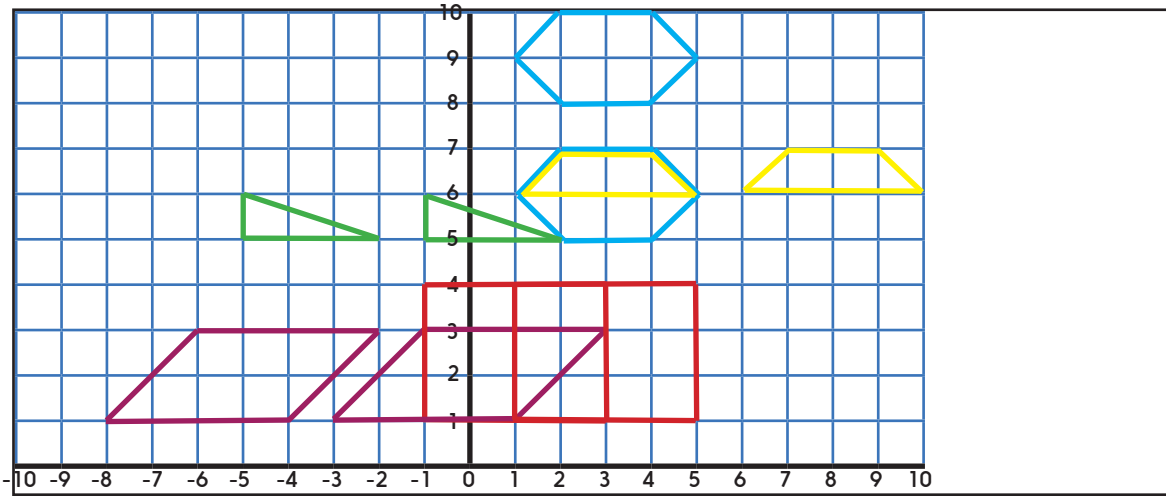


Practice Sheets Answers

Translations (mild)



New co-ordinates:

1. (-1, 1), (-1, 4), (3, 4) and (3, 1)
2. (1, 6), (2, 5), (4, 5), (5, 6), (4, 7) and (2, 7)
3. (-1, 5), (-1, 6) and (2, 5)
4. (-3, 1), (-1, 3), (3, 3) and (1, 1)
5. (1, 6), (2, 7), (4, 7) and (5, 6)

The y co-ordinate increases when you move a shape up and decreases when you move it down.

The x co-ordinate decreases when you move a shape to the left and increases when you move it to the right.

Pattern of translations (hot)

Original shape	Translated shape	Squares in x direction	Squares in y direction
Square A	Square A1	4 to the left	4 up
Square A	Square A2	6 to the left	4 down
Square A	Square A3	4 to the right	3 up
Square A	Square A4	6 to the right	4 down
Square B	Square B1	3 to the left	4 up
Square B	Square B2	3 to the left	3 down
Square B	Square B3	9 to the left	0
Square B	Square B4	4 to the left	0

Challenge

The new co-ordinates are:

a) (-6, 9), (-6, 11), (-4, 9), (-4, 11)

b) (5, 3), (7, 1), (7, 5), (9, 3)