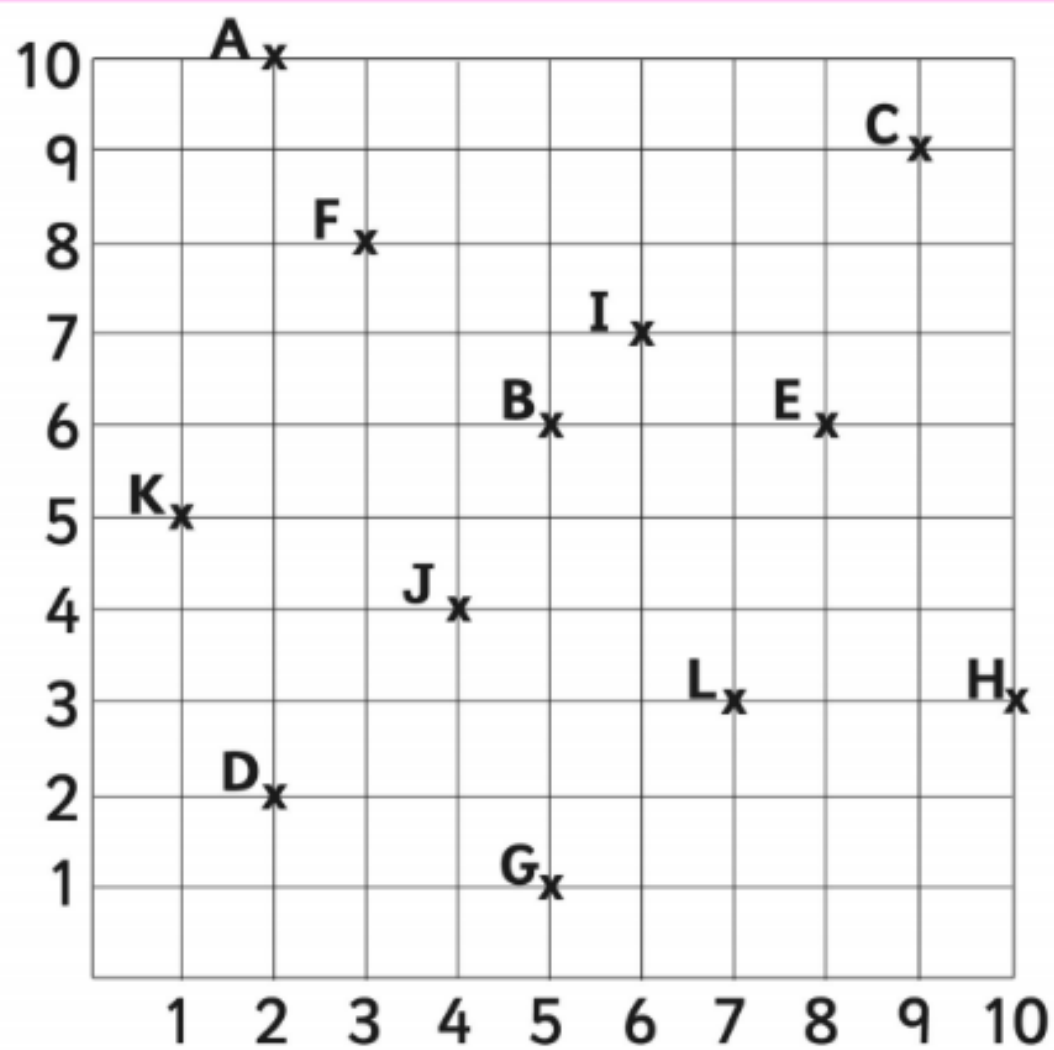# 26.01.21

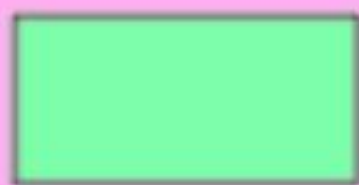# L.O. Identifying correctly coordinates of a given point

Write the coordinates of the letters below

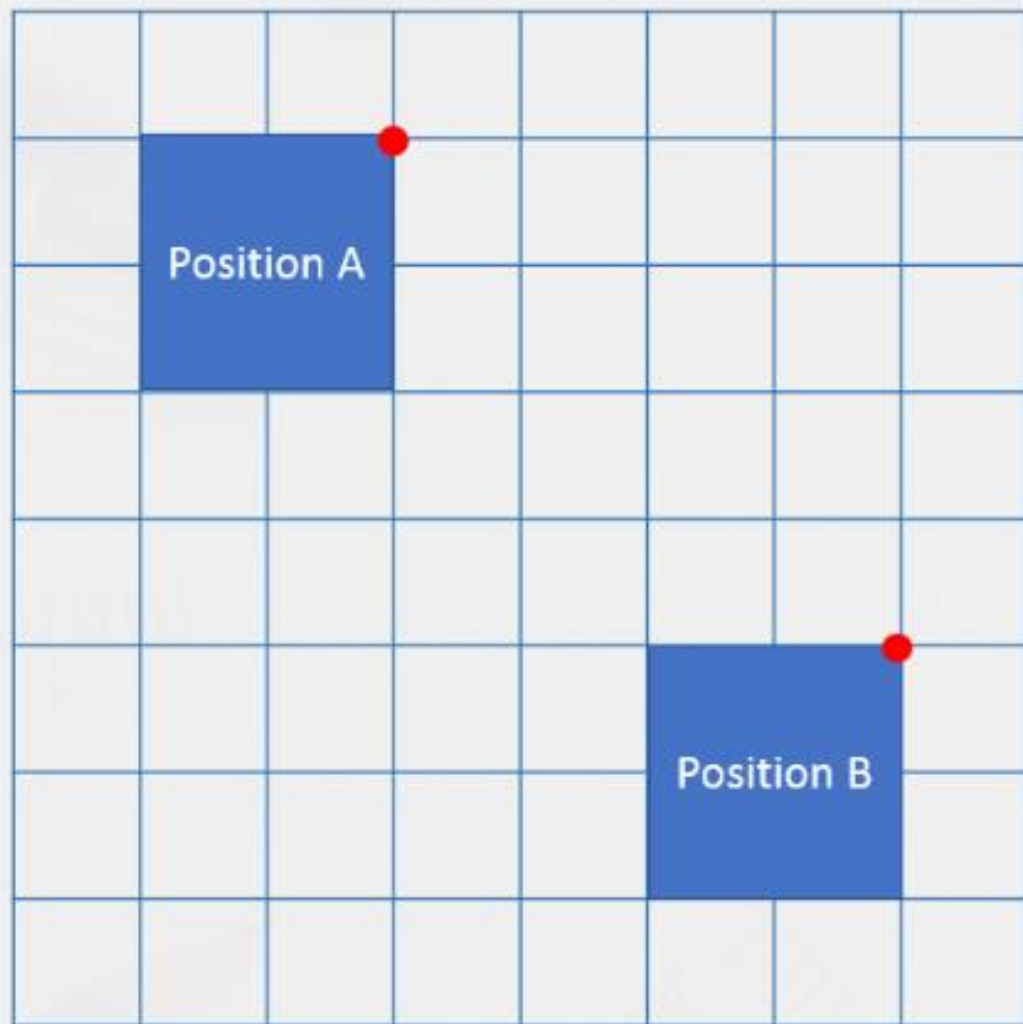26.01.21

L.O. Translating shapes on quadrant.
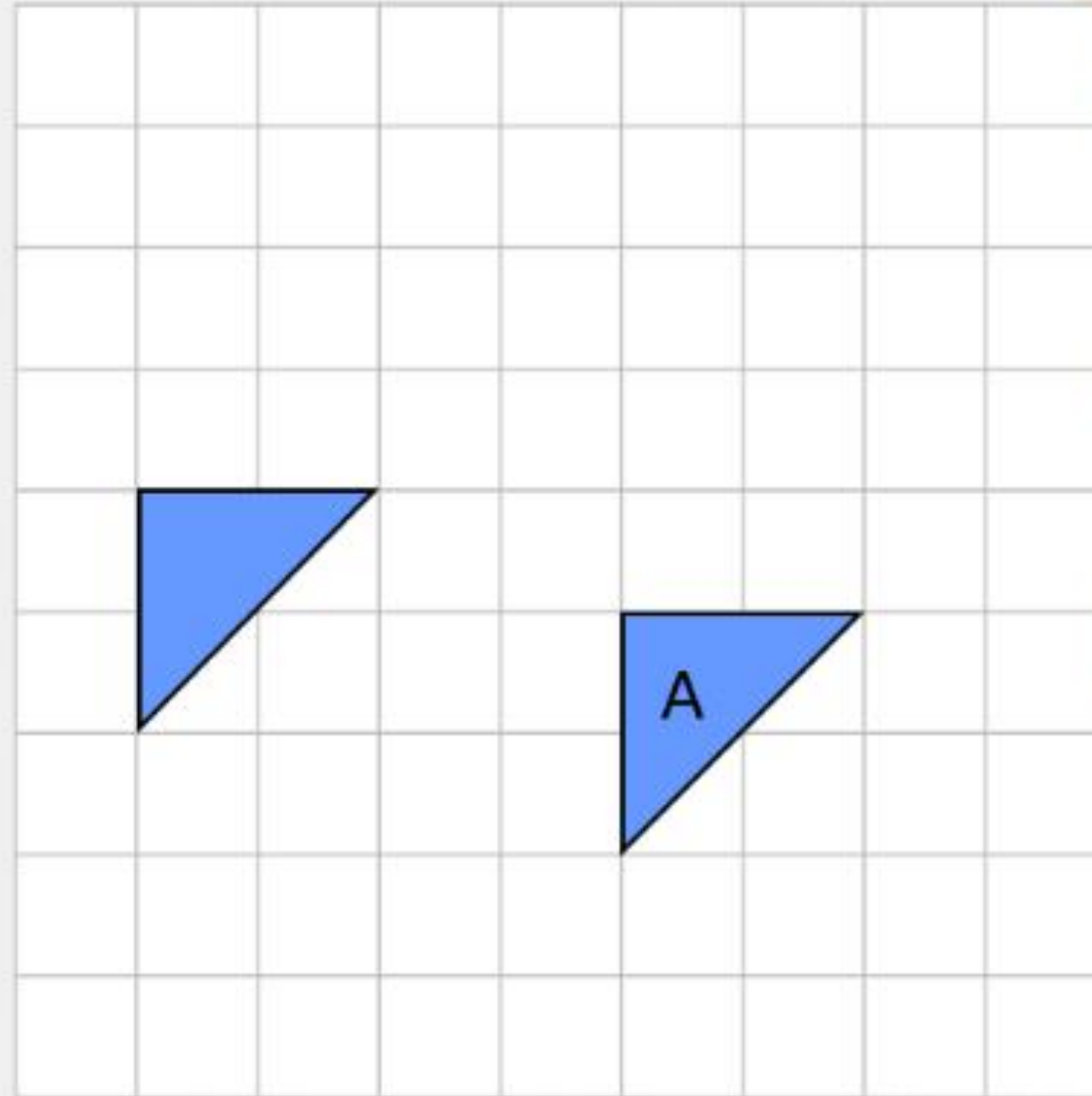
What is translation?

Position A

Position B

left

right
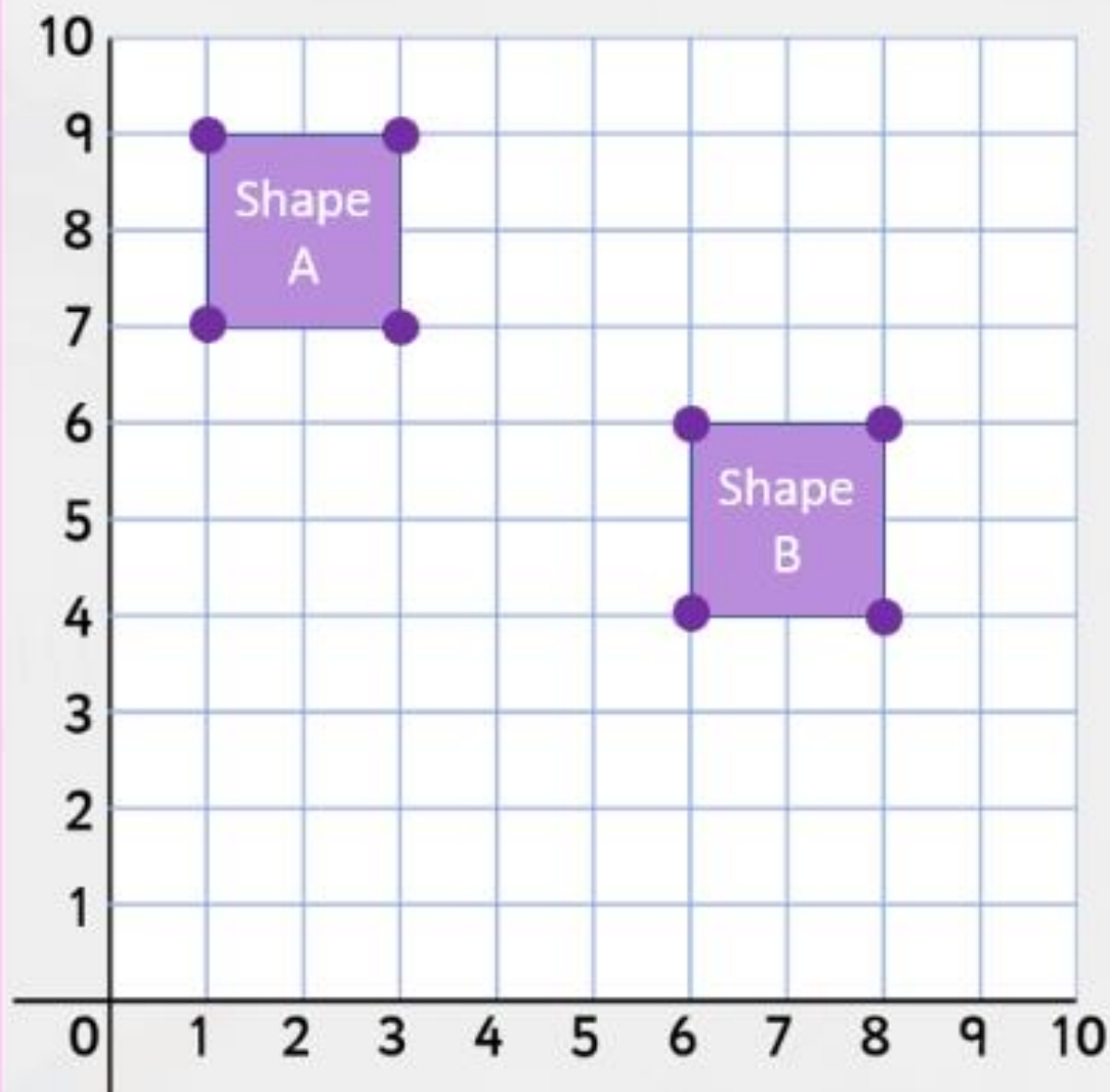
- Describe how this shape has been translated (moved) from position A to position B.

- Is there more than one way of doing it?

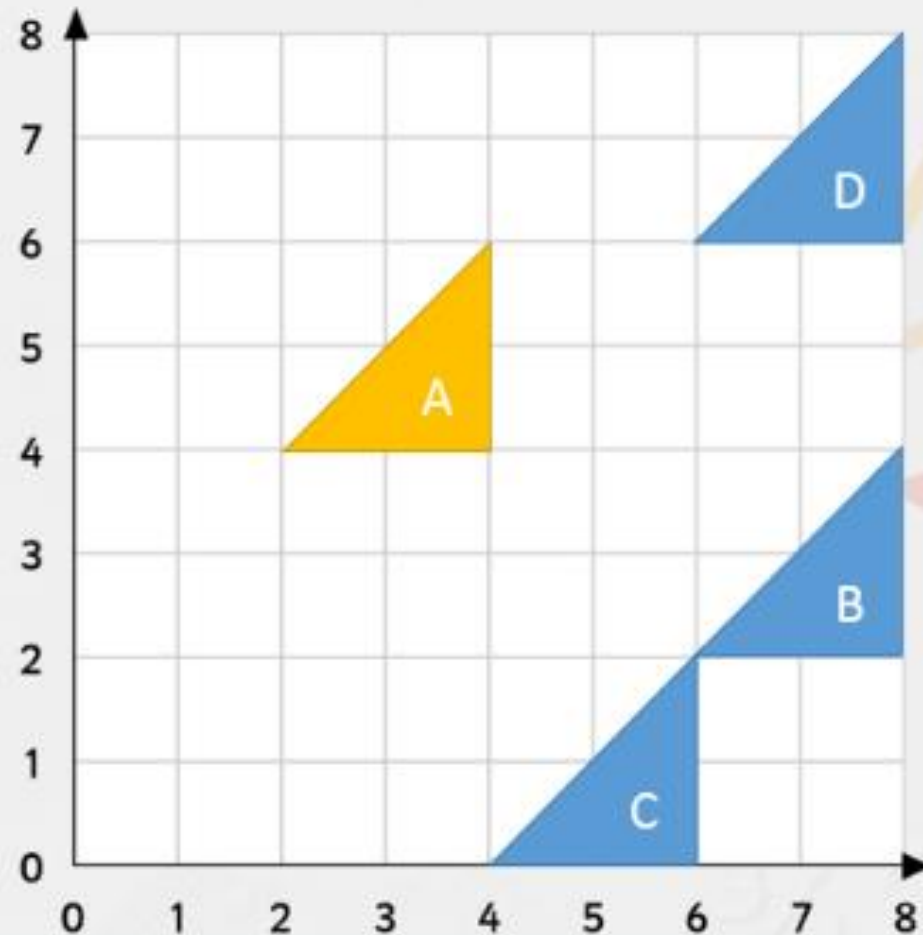Shape A has been translated 4 right, 1 down. True or false?

- What are the coordinates for Shape A?

- What are the coordinates for Shape B?

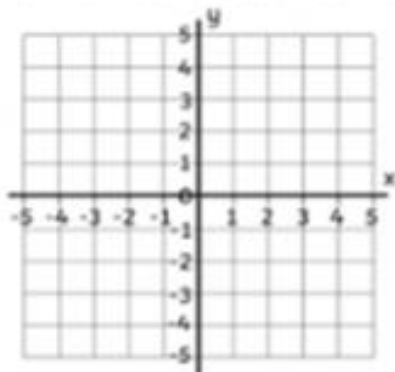- Describe how Shape A has been translated to Shape B.

A shape is translated 4 right and 2 down.
What are the coordinates of the
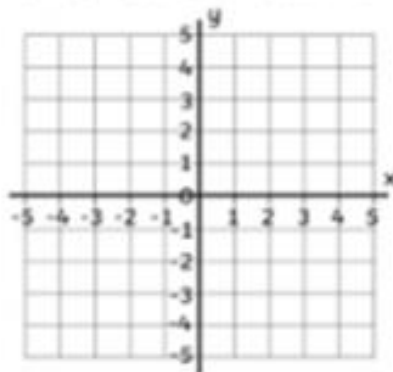vertices of the correctly translated shape?

1.

Plot these co-ordinates to reveal a shape: (-3,-1), (-3,-2), (1,-1), (1,-2)

Translate the shape right 3, up 3.

What are the co-ordinates of the new shape?

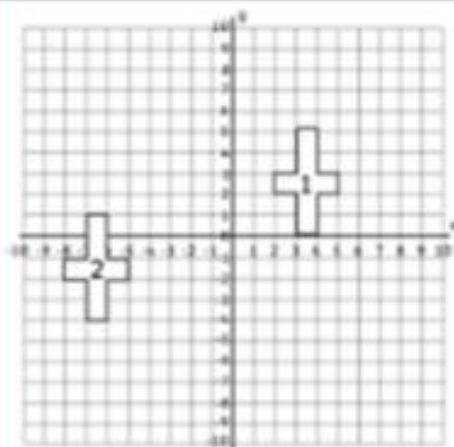Plot these co-ordinates to reveal a shape: (2,1), (4,1), (0,-3), (0,-1)

Translate the shape left 4, up 1.

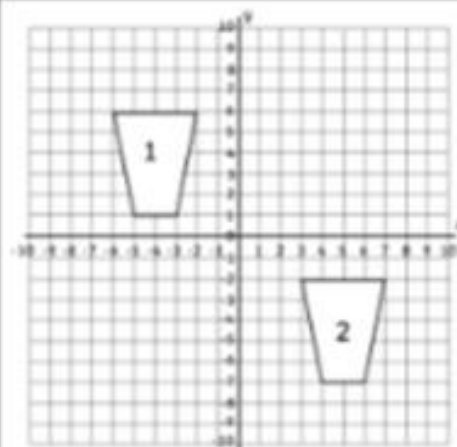What are the co-ordinates of the new shape?

2.

Complete tasks 1 & 2

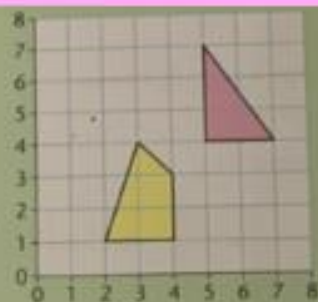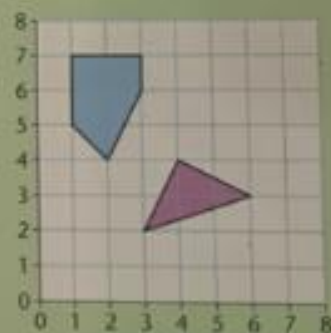
Starting co-ordinates:

Translation:

Finishing co-ordinates:

Starting co-ordinates:

Translation:

Finishing co-ordinates:
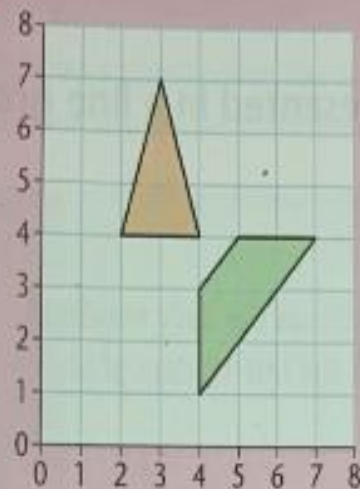
1 Copy the grid and the triangle.
Translate the triangle:
   a) Left 4 squares
   b) Down 3 squares.

2 Copy the grid and the quadrilateral.
Translate the quadrilateral:
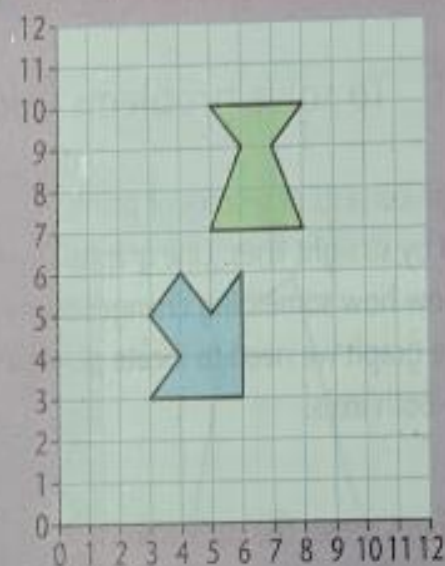   a) Right 2 squares
   b) Up 4 squares.

3 Copy the grid and the triangle.
Translate the triangle:
   a) Left 3 squares
   b) Up 2 squares.

4 Copy the grid and the pentagon.
Translate the pentagon:
   a) Right 3 squares
   b) Down 4 squares.

B

1 Copy the grid and the triangle.
Translate the triangle:
   a) Left 2   Down 3
   b) Right 4 Up 1
   c) Right 3 Down 4.

2 Copy the grid and the trapezium.
Translate the trapezium:
   a) Left 4   Down 1
   b) Right 1 Up 4
   c) Left 3   Up 3.

C

1 Copy the grid and the hexagon.
Translate the shape:
   a) Left 3   Up 2
   b) Right 2 Down 4
   c) Left 5   Down 6.

2 Copy the grid and the heptagon.
Translate the shape:
   a) Right 4 Up 2
   b) Left 2   Up 5
   c) Right 6 Down 2.

Class challenge!

Match the translations.

🟦 blue	to	🟩 green
🟧 orange	to	🟦 blue
🟨 yellow	to	🟪 pink

4 right, 2 down

2 left, 3 up

5 left, 5 down