Year 4
Direction and position
The search for Lady Godiva

COVENTRY
Building Society

The search for Lady Godiva

You've arranged to meet your friends Mohammad and Megan at the Lady Godiva statue in Coventry. Mohammad has found his way to the statue, but you and Megan have become lost at different locations in Coventry. Megan rings you and says if we can find our way to Coventry Building Society then my Mum, the branch manager, will give us directions to the Lady Godiva statue. You have a map, but you don't know your location on it.

Can you find your friends?

Task 1: Finding your location

On your map of Coventry, letters represent different landmarks but you don't know which landmarks they are. Use the clues below to identify which letter represents which landmark and fill in your location table.

You are at the **Memorial Monument,** which letter are you at on your map?

Clues

1. The **y** coordinate for the Belgrade Theatre is higher than the **x** coordinate.

2. The **x** coordinate for the Herbert Art Gallery and museum is higher than the **y** coordinate.

3. The **x** and **y** coordinate for the Cathedral are both even numbers with the same value.

4. The **x** coordinate for the Fargo Village is two more than the **y** coordinate.

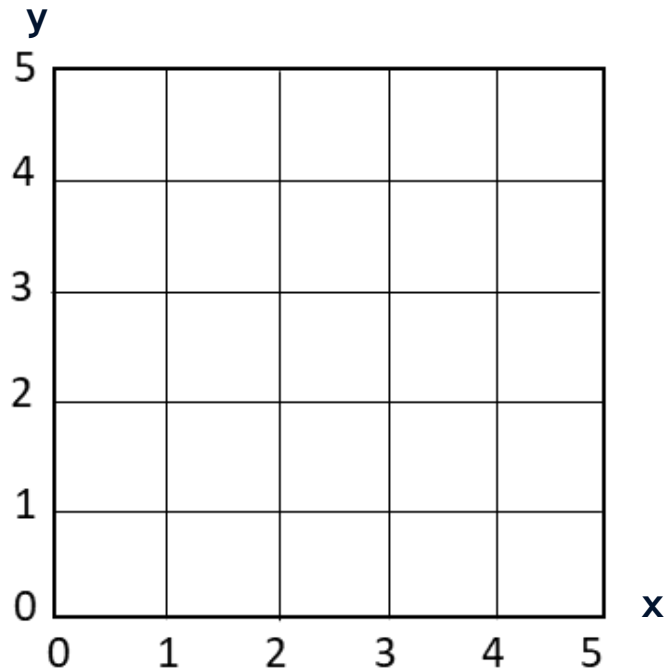5. Both coordinates for the Coventry Transport Museum are odd numbers, but are not the same value.

Plot your location on your map
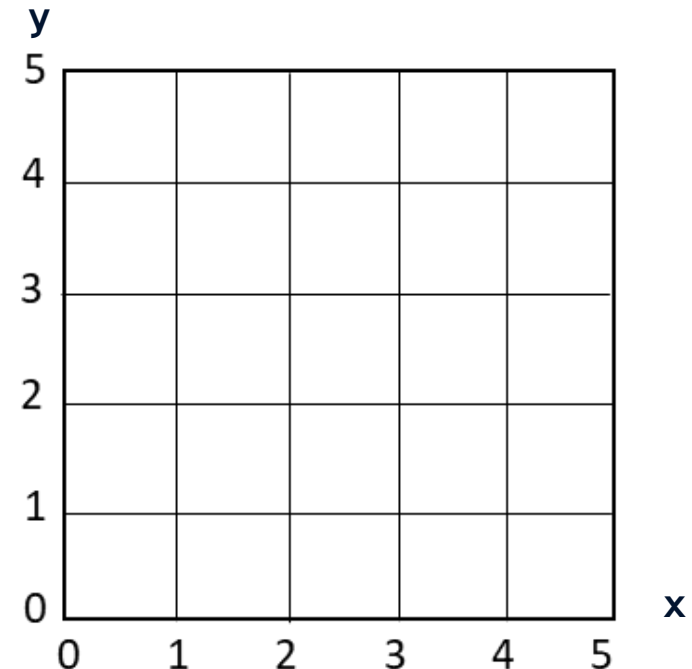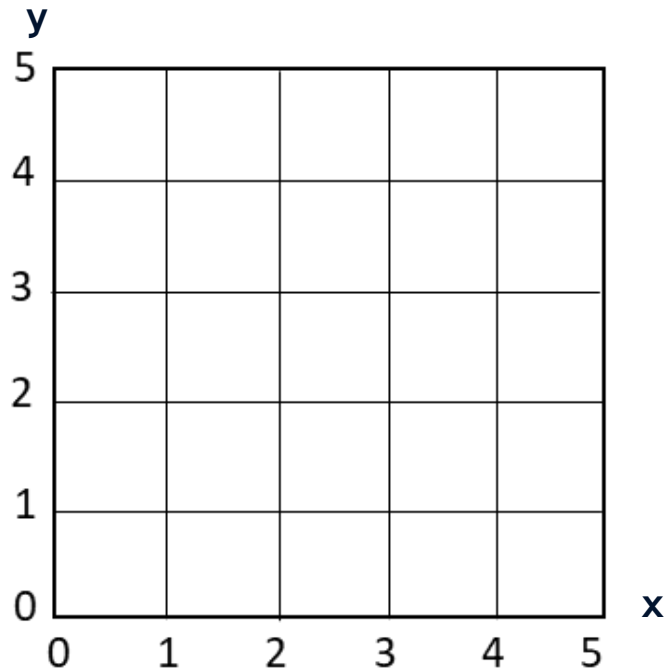
Task 2: Your friend's location

Your friend Megan's location can be found by solving the following problems.

The missing set of coordinates that appear twice is Megan's current location on the map.

1. Plot the 3 coordinates (1,1), (3,1), (3,4) on the grid below. Plot a point to make a rectangle shape. What are the coordinates of this point?

2. Plot the 3 coordinates (1,2), (4,5), (4,2) on the grid below. Plot a point to make a square shape. What are the coordinates of this point?

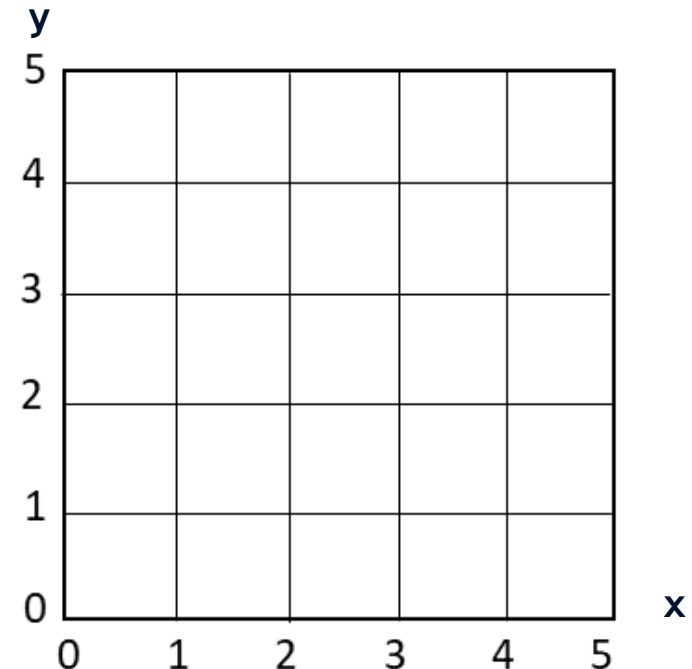# Task 2: Your friend's location

Your friend Megan's location can be found by solving the following problems.

The missing set of coordinates that appear twice is Megan's current location on the map.

3. Plot the 3 coordinates (3,4), (2,3), (3,1) on the grid below. Plot a point to make this a kite shape. What are the coordinates of this point?
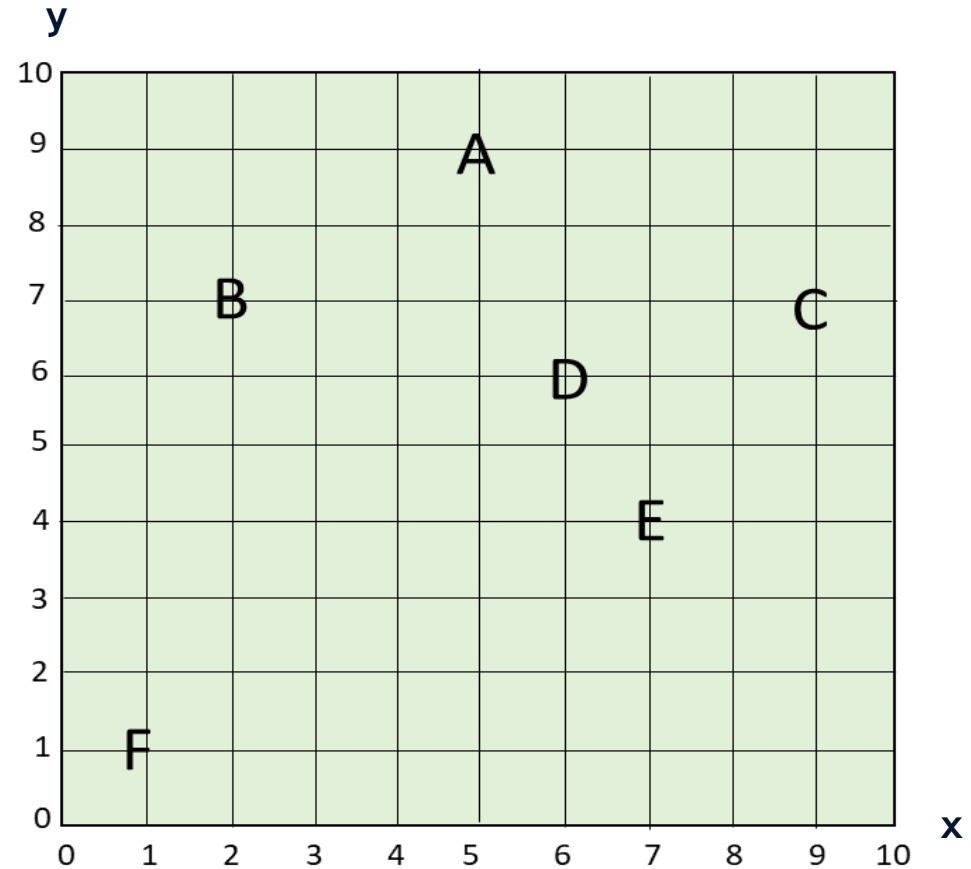
4. Plot the 3 coordinates (0,3), (3,3), (4,5) on the grid below. Plot a coordinate to make this a parallelogram. What are the coordinates of this point?
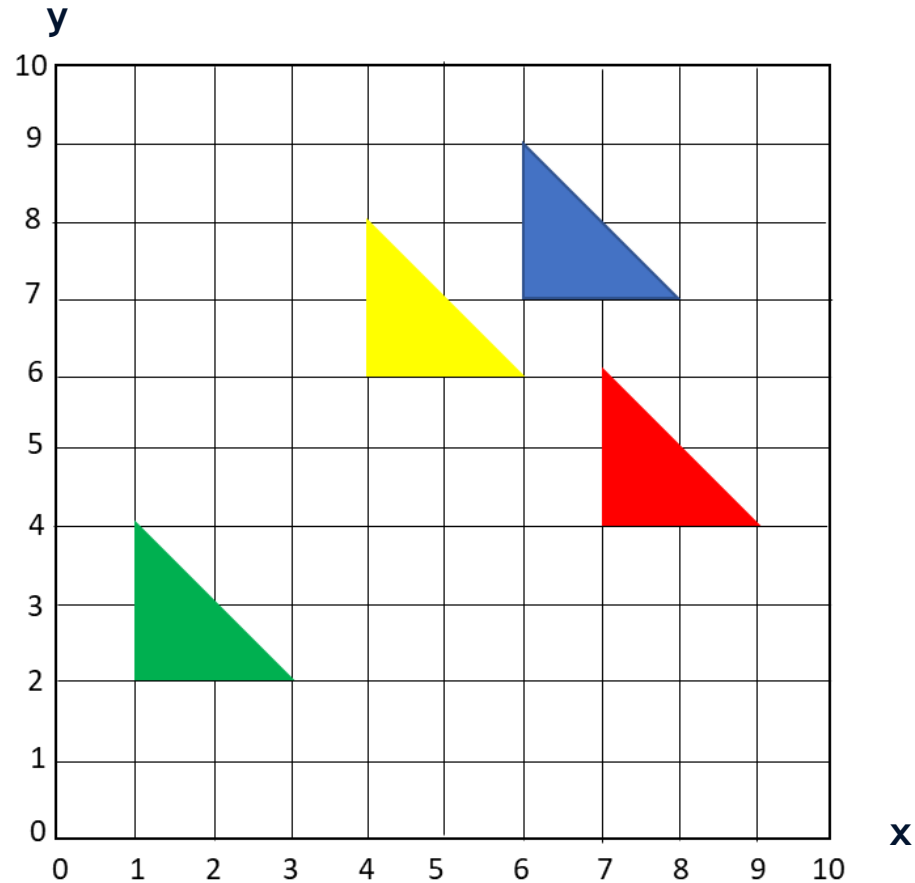
Task 2: Your friend's location

- Which (x,y) coordinates appear twice?

- This is your friend Megan's location. Map it on your map with an **X.**
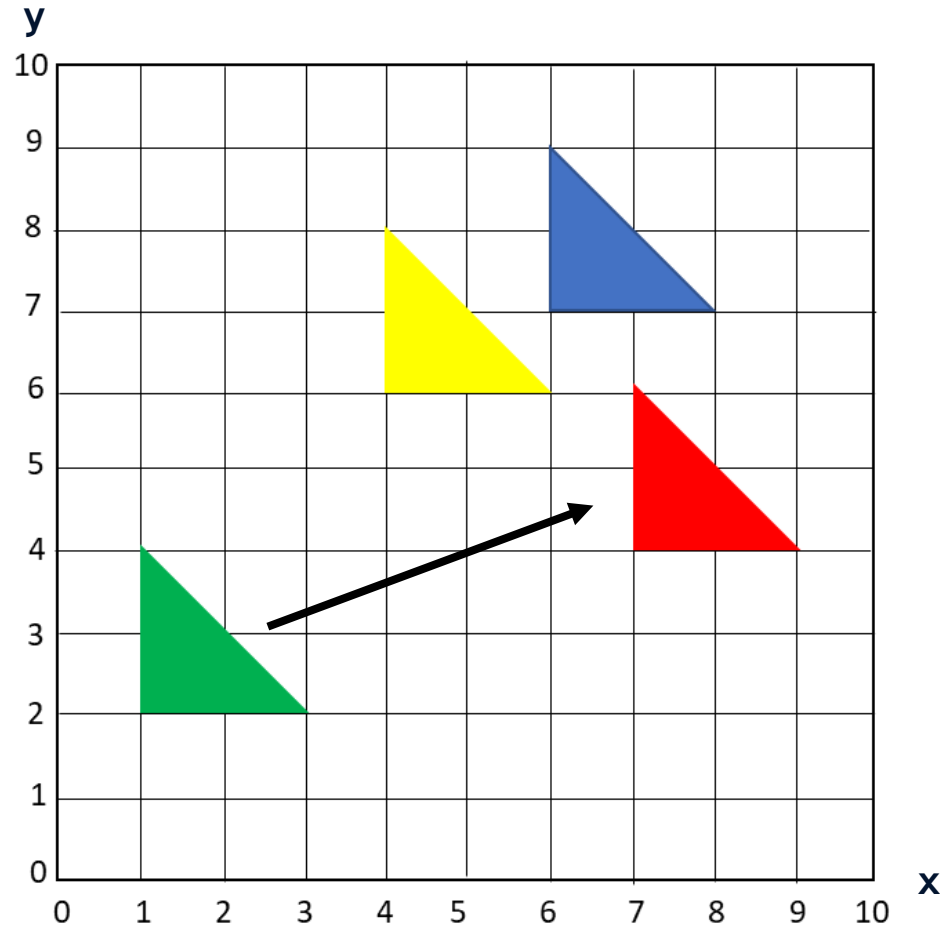
Task 3: Journey to Coventry Building Society

To work out the route you should take to get to Coventry Building Society you need to translate the triangles in the grid below.
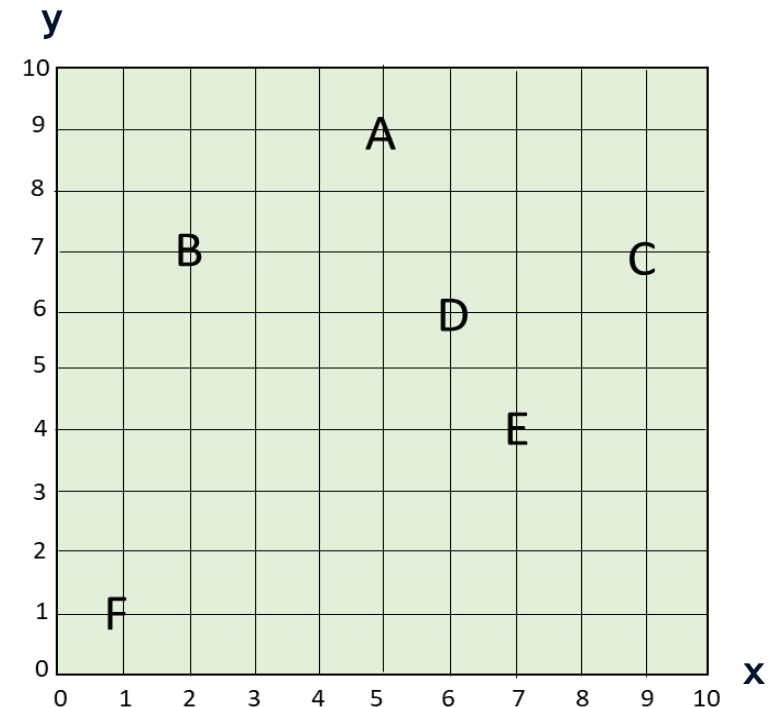
Task 3: Journey to Coventry Building Society

Calculate the translations given on your worksheet.

Example: How would you translate the green triangle to the red triangle?
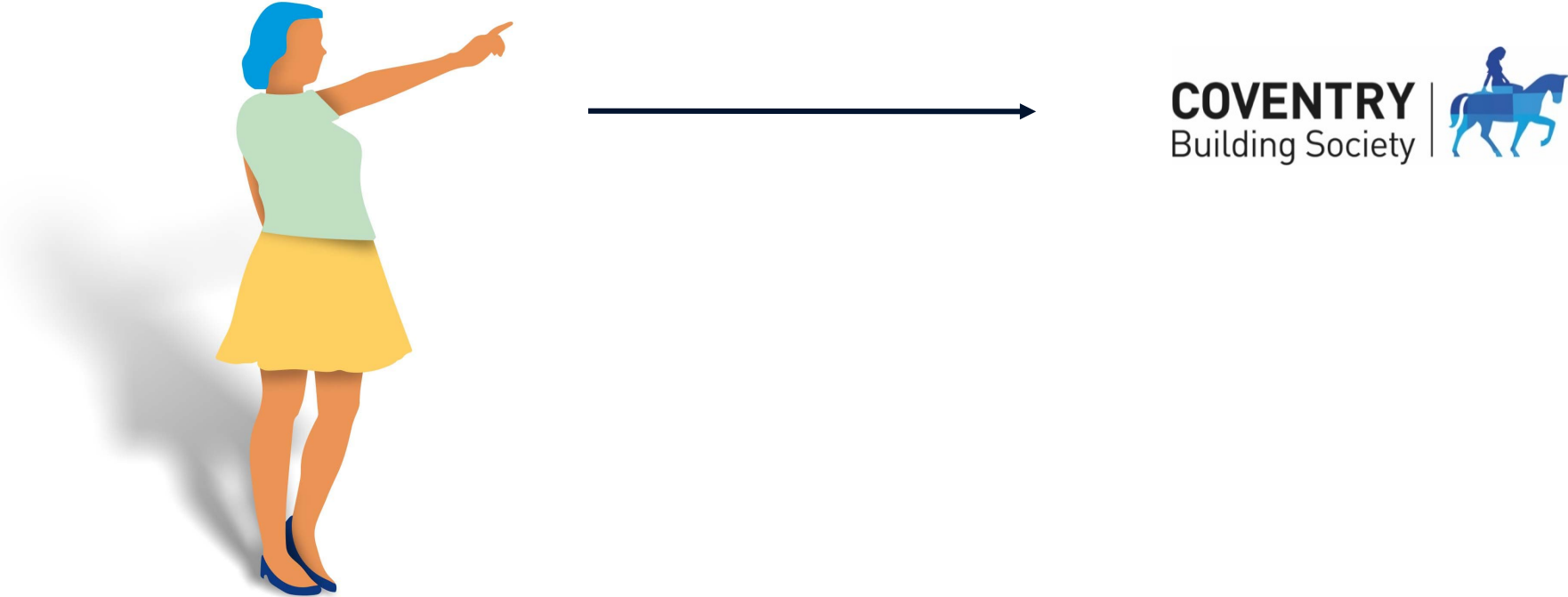
Task 3: Journey to Coventry Building Society

- The route to Coventry Building Society is given by the translations you have just described.

- Follow the translations in order to get to Coventry Building Society and mark the coordinates on your map with a **X**.

- What are the coordinates of Coventry Building Society?

Task 4: Direct your friend to Coventry Building Society

Describe the translation of your friend's
location to Coventry Building Society.

Task 5: Where is Lady Godiva?

Megan's Mum, the branch manager at Coventry Building Society, tells you that the statue is **1 unit** to the **left** and **2 units down**.

What are the coordinates for the Lady Godiva statue?

Did you find Lady Godiva?

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