

For the final two weeks of the summer term we will be setting you problem solving activities that require you to use a range of your maths skills.

Because the activities may be quite varied, there will be no models on these sheets. However, there will be further explanations on the daily videos. As in previous weeks, the activities will get progressively more challenging.

At the end of each of these activities is a link to where you can read example answers submitted by other children.

Today the focus is POSITION and DIRECTION

Starter

Try to get as close as you can to the target number using these six numbers:

100 50 75 3 10 7

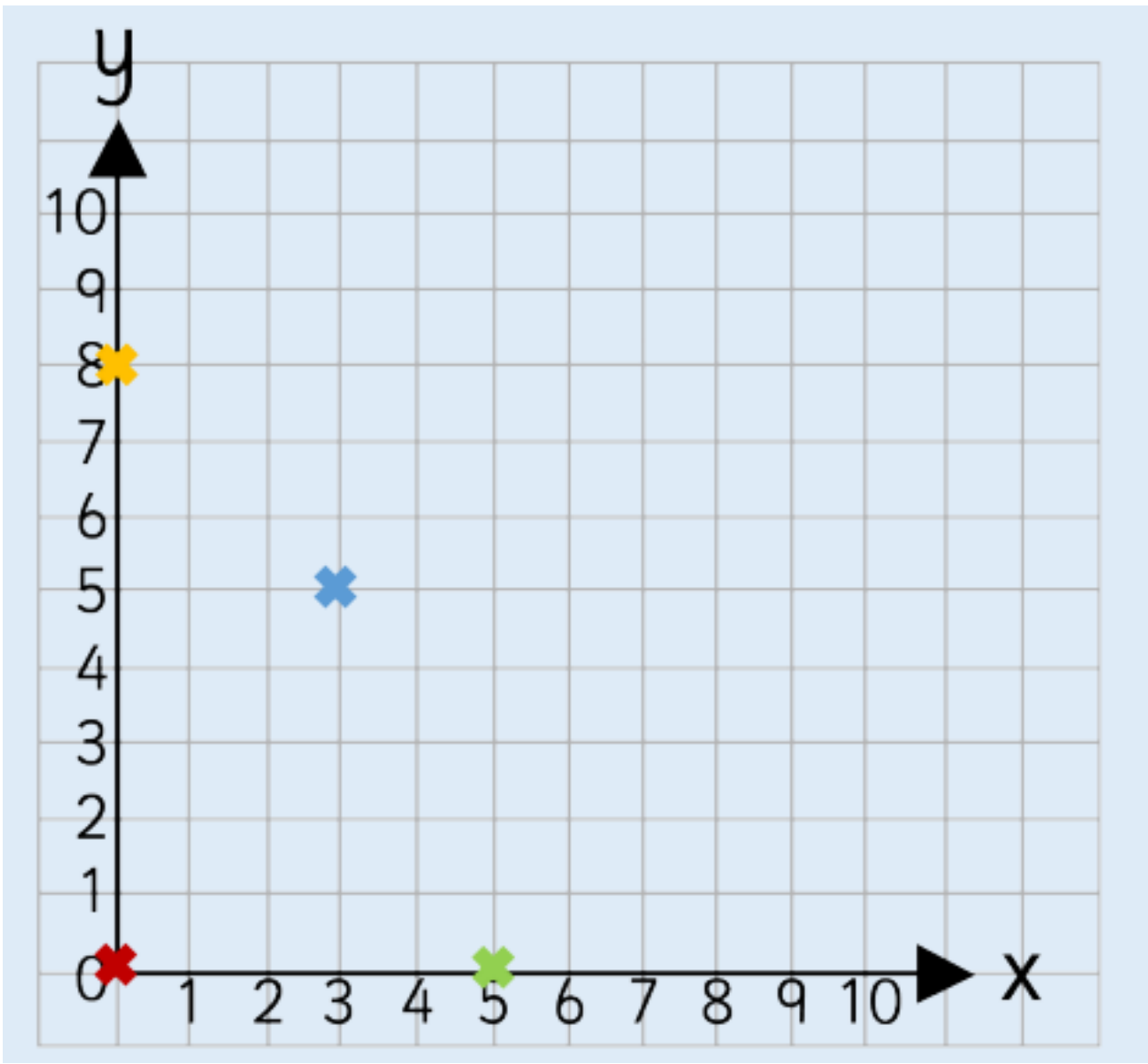
Target Number: 423

You can't use the same number more than once.
Only plus, minus, times and divide are allowed.

CHOOSE 3 ACTIVITIES

ACTIVITY 1 **STEPPING STONE**

Write the coordinates for the points shown.



✕ (__, __)

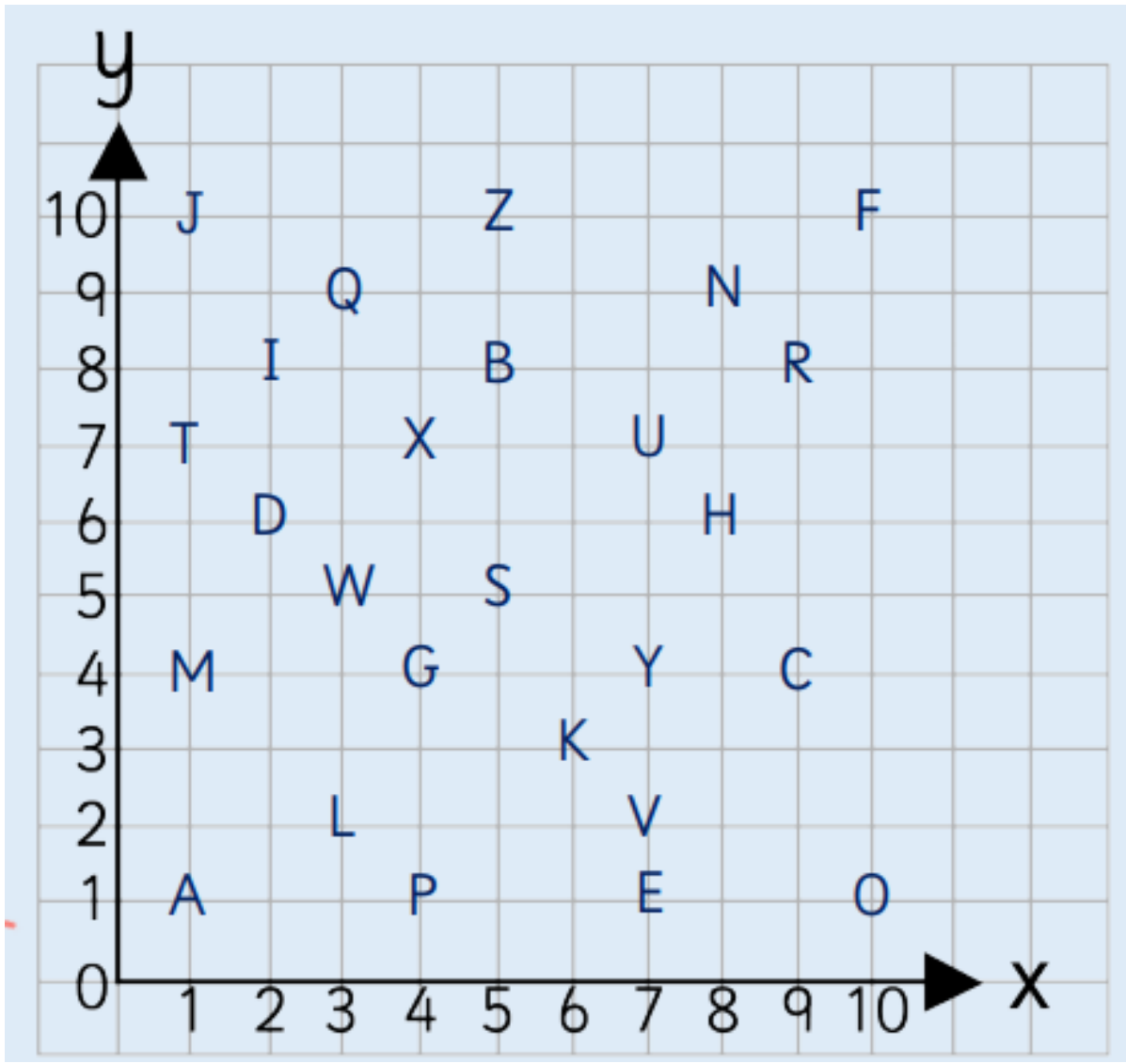
✕ (__, __)

✕ (__, __)

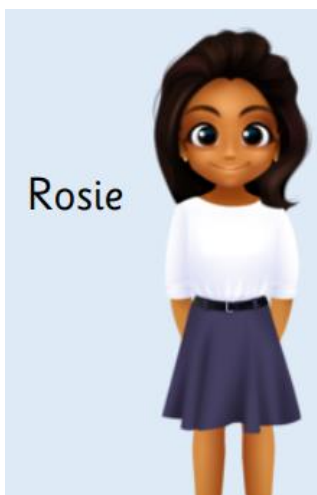
✕ (__, __)

ACTIVITY 2 **MILD**

Write out the coordinates that spell your name.



What would the coordinates be for Rosie?

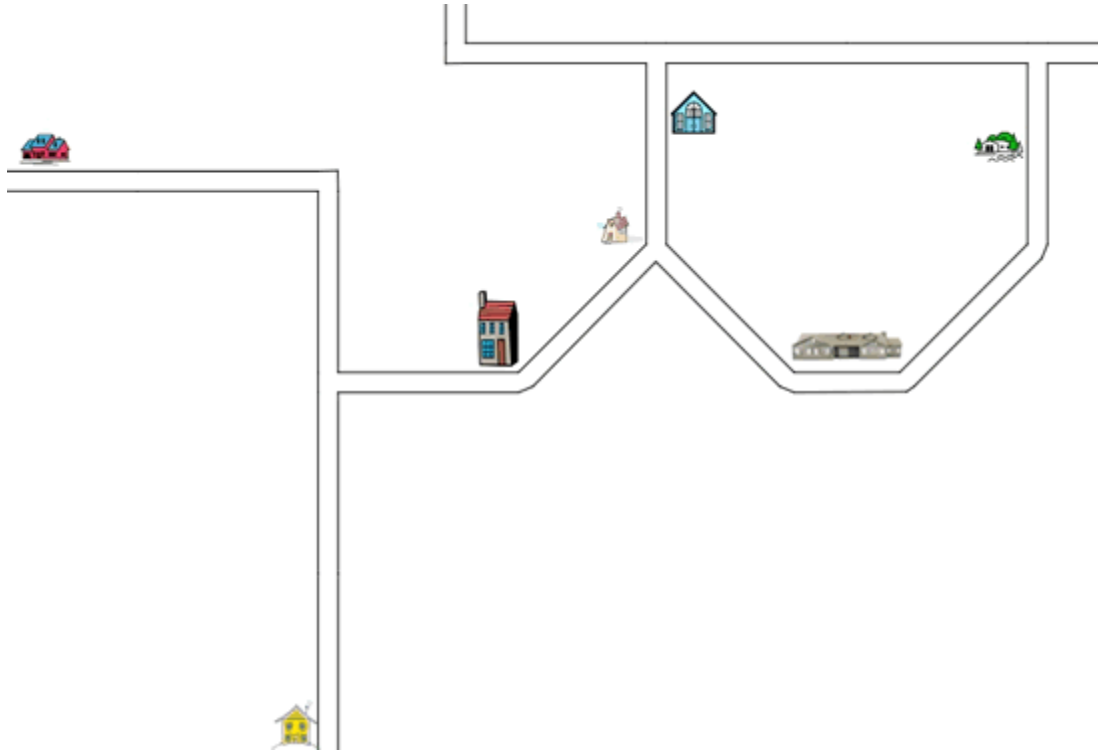


ACTIVITY 3 **SPICY**

Six Places to Visit

Well, we're going to look at visiting places.

Here's the road map:



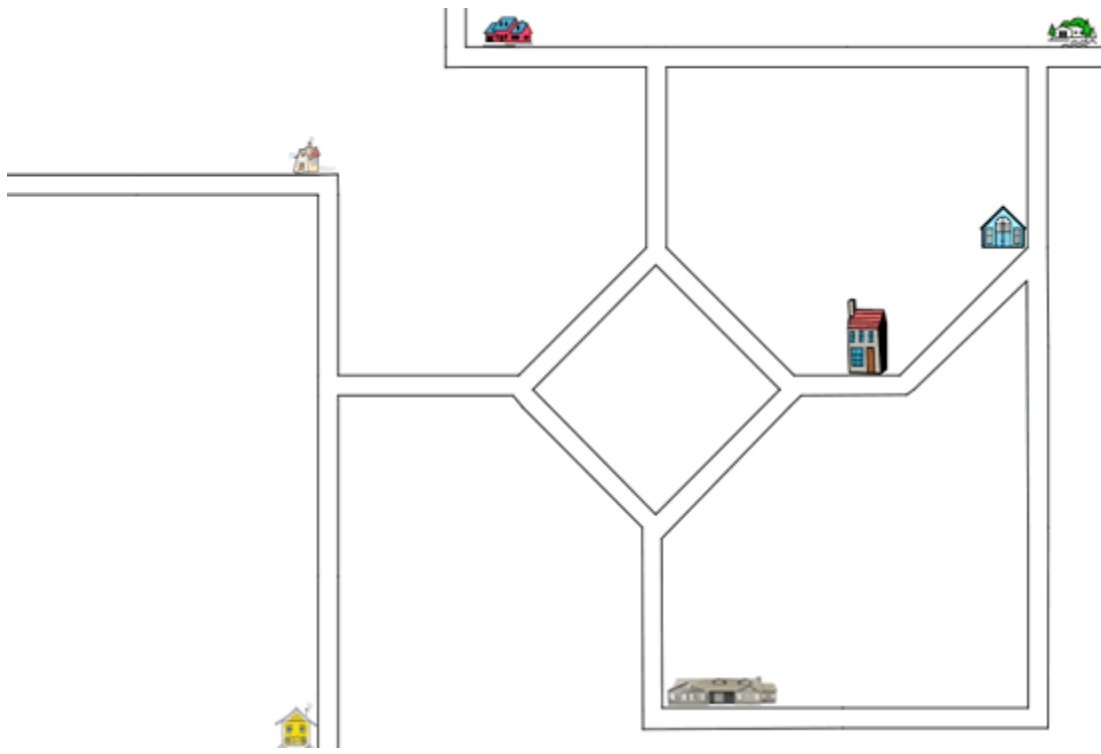
There are six places to visit:

1. Relations who live in the tall house;
2. Friends who live in the house with trees;
3. The wide school building;
4. The blue church;
5. The health centre with blue roof and pink walls;
6. The little pink shop which is leaning over.

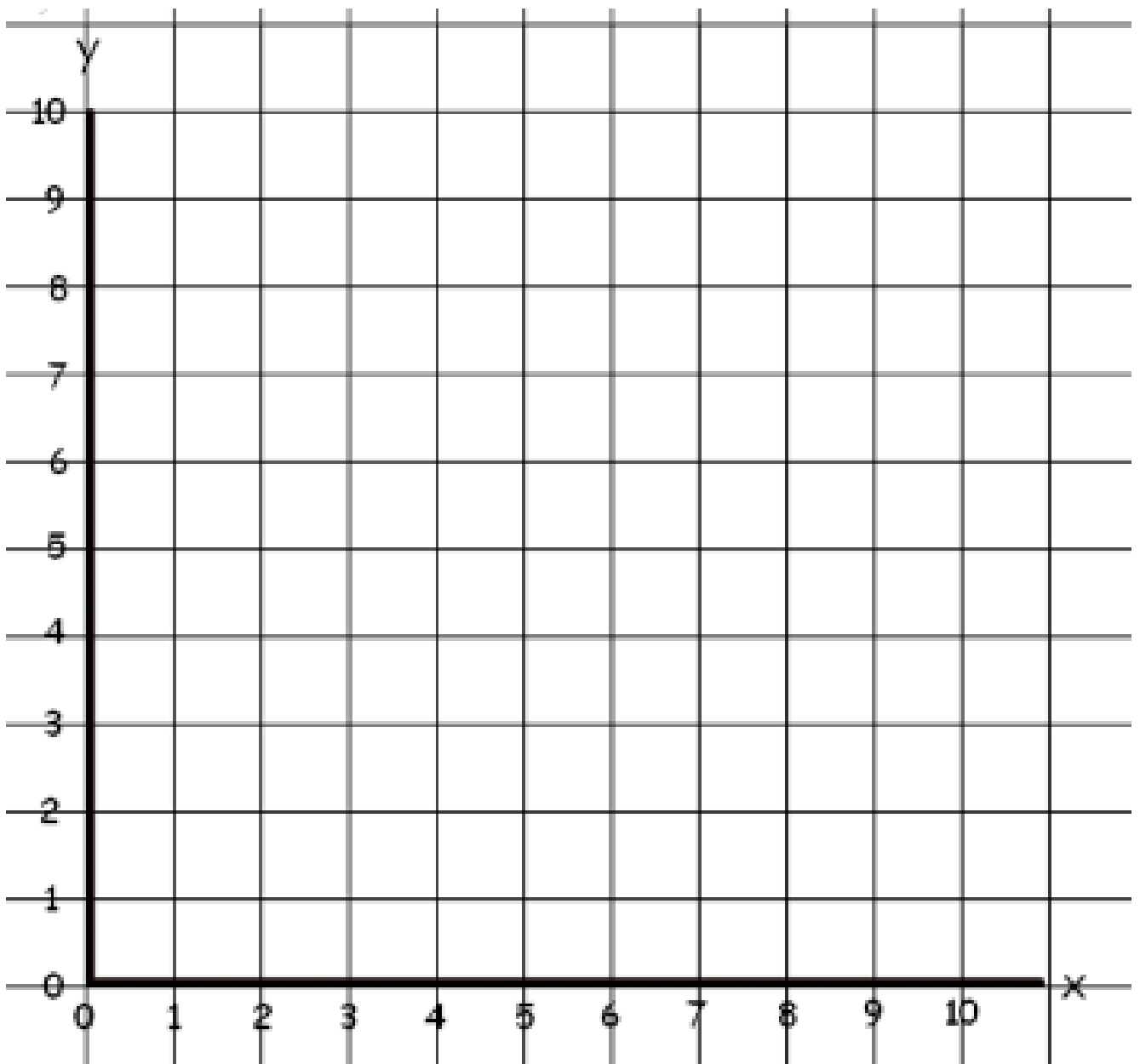
You live in the yellow house at the bottom of the map.

Starting at your house, try to describe the journey to each of the six places.

You'll need to describe the bends in the road [how much they turn] and which way to turn at junctions.



ACTIVITY 4 SPICY



Plot the coordinates below onto the grid in the order shown. Join them together using a ruler in the order that you plotted them. What shapes do they make?

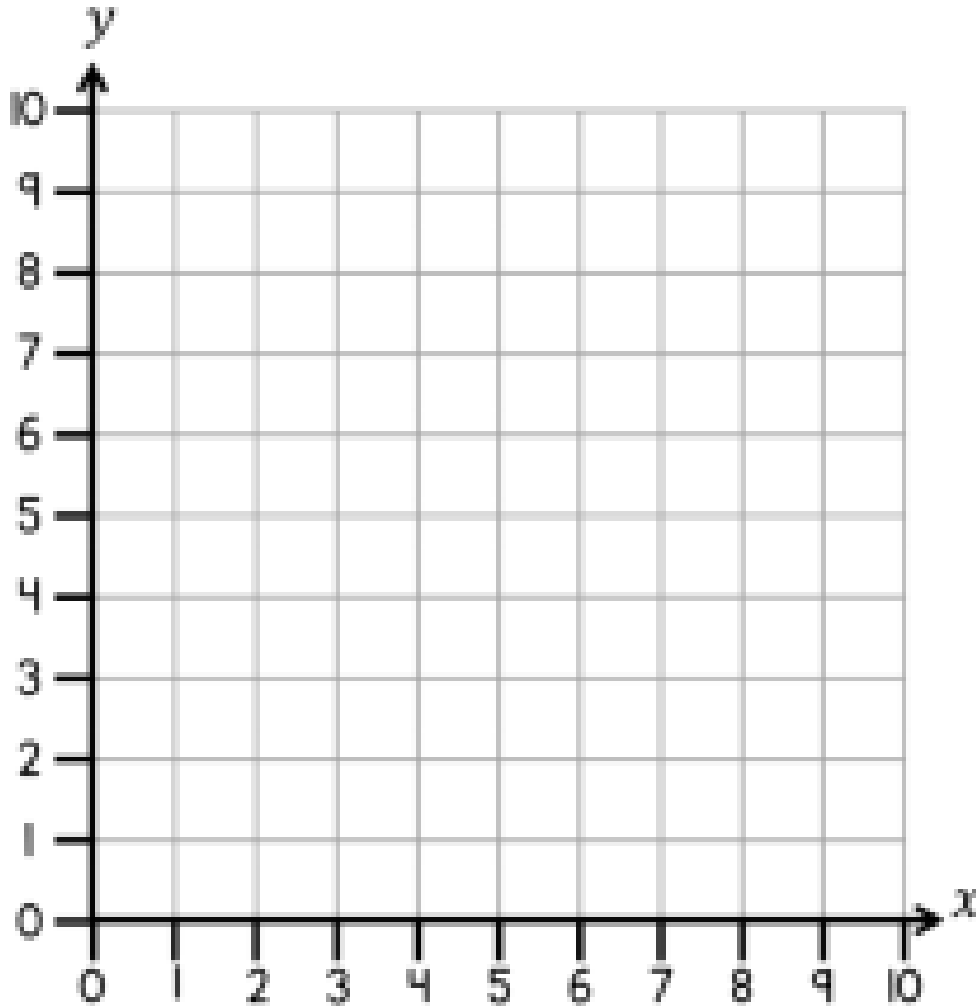
* You only need to draw 1 grid in your books – all the coordinates below can be plotted onto 1 grid!

1. (1,1) (3,1) (1,3) (3,3)
2. (7, 2) (10,2) (10,5)
3. (6,5) (6,7) (2,5) (2,7)
4. (8,7) (10,7) (10,9) (9,10), (8,9)

ACTIVITY 5 HOT

Complete the coordinates.

You may use the grid to help.



(4, 9) translated 3 left is (,)

(6, 2) translated 1 down is (,)

(4, 5) translated 2 right and 5 up is (,)

(7,) translated 7 up is (, 9)

Canonbury Home Learning

MORE ACITIVITIES

Move on and challenge yourself further!

<https://nrich.maths.org/9024>

On nrich, there are many more interactive and practical ways to enjoy Maths. Have a look!