

## Worksheet

Answer the questions on this worksheet in the boxes next to the challenge questions.

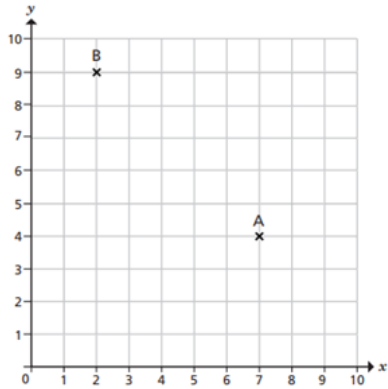


### Remember:

The tasks are arranged in 3 challenges that get progressively more difficult.

- Challenge 1 is a “mild” challenge, if you are not confident
- Challenge 2 is “spicy”, a little bit more challenging, if you are feeling confident and find the first challenge too easy.
- Challenge 3 is “hot”. The questions are designed to challenge you and can be tricky.

You can choose to do just one challenge or more than one, it is up to you. As a guide, if you are consistently getting everything correct, you should move up a challenge. If you are struggling on every question; move down a challenge.

### Challenge 1:

Question	Answer
<p>1 Two points have been plotted on the coordinate grid.</p>  <p>a) Whitney and Jack are working out the coordinates of point A.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>The coordinates of point A are (7, 4).</p> <p>Whitney</p> </div> <div style="text-align: center;">  <p>The coordinates of point A are (4, 7).</p> <p>Jack</p> </div> </div> <p>Who do you agree with? _____</p>	
<p>2. Write the coordinates of point B ( , )</p>	

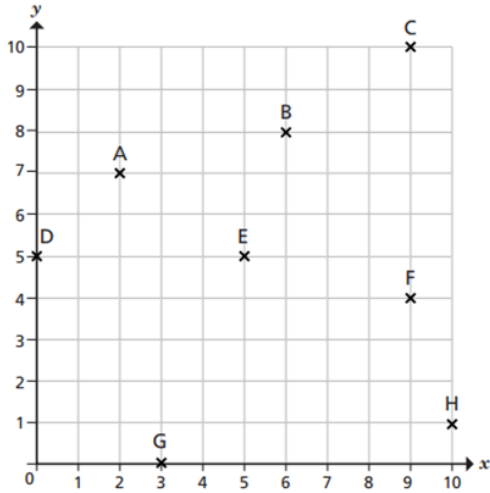
### Challenge 2:

**Question**

**Answer**

1.

Eight points have been plotted on the coordinate grid.



a) Write the coordinates of each point.

A (  ,  )

E (  ,  )

B (  ,  )

F (  ,  )

C (  ,  )

G (  ,  )

D (  ,  )

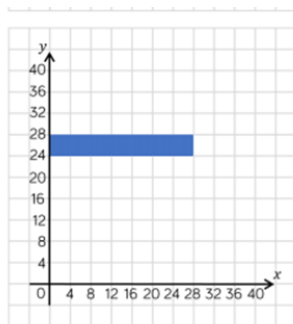
H (  ,  )

2.

What are the coordinates of the vertices of the rectangle?

(  ,  )    (  ,  )

(  ,  )    (  ,  )



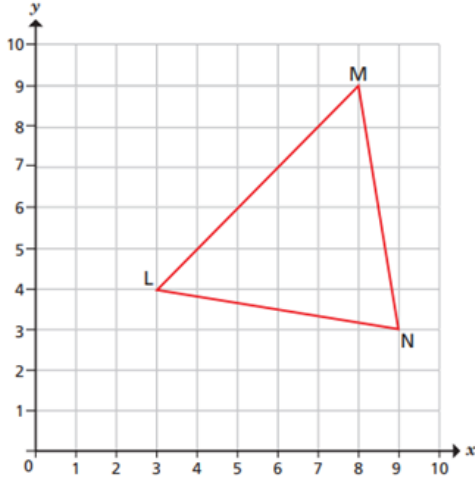
3.



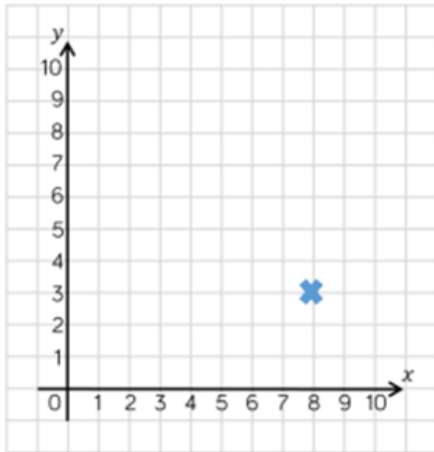
You need to plot the y axis first.

True or false?  
Explain your answer.

### Challenge 3:

Question	Answer
<p>1.</p> <p>A triangle has been drawn on the coordinate grid.</p>  <p>Write the coordinates of each vertex of the triangle.</p> <p>L ( <input type="text"/> , <input type="text"/> )    M ( <input type="text"/> , <input type="text"/> )    N ( <input type="text"/> , <input type="text"/> )</p>	

2.



The point is at  $(8, 3)$



Mo



The point is at  $(3, 8)$

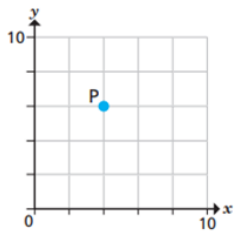
Alex

Who do you agree with? Can you spot the mistake the other child has made?

3.

Annie and Ron are working out the coordinates of point P.

Here are their answers.



Annie

$(2, 3)$



Ron

$(4, 6)$

Who do you agree with? \_\_\_\_\_

What mistake has the other person made?