

## Lesson 2

L.O I am learning to read and plot co-ordinates in the first quadrant.

All	All of you must complete the fluency section.
Most	Most of you will complete the fluency and reasoning sections.
Some	Some of you will complete the fluency, reasoning, and problem-solving sections.

Try your best – it is all we can ask for! 😊

This video may help if you are stuck at any point:  
<https://www.youtube.com/watch?v=FMC5-gfvbzE>

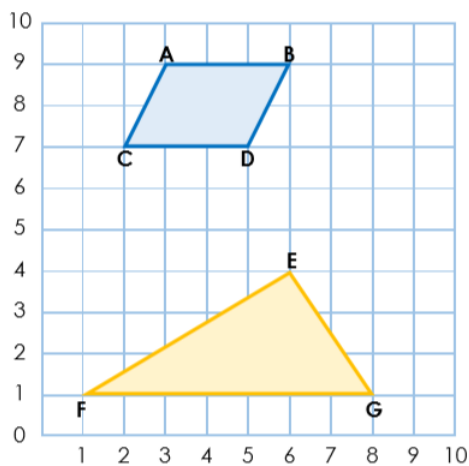
### Fluency

Key Vocabulary: quadrant, coordinate, x axis, y axis, origin

Your answer

1. Write the coordinates of the shapes.

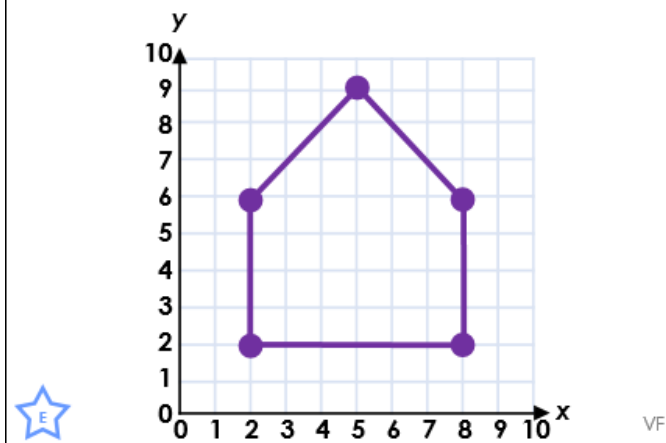
A \_ , \_    B \_ , \_    C \_ , \_    D \_ , \_



E \_ , \_    F \_ , \_    G \_ , \_

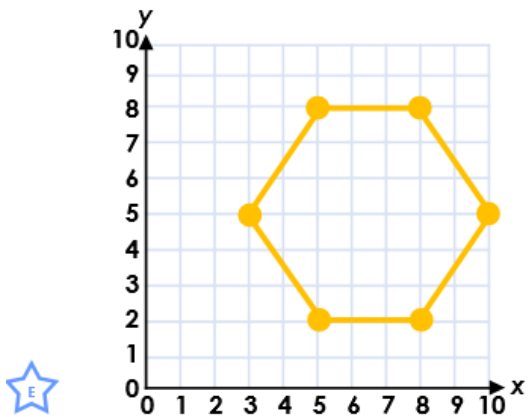
2. True or False? The coordinates of the pentagon are:

(7, 4)    (5, 2)    (5, 6)    (2, 2)    (2, 6)



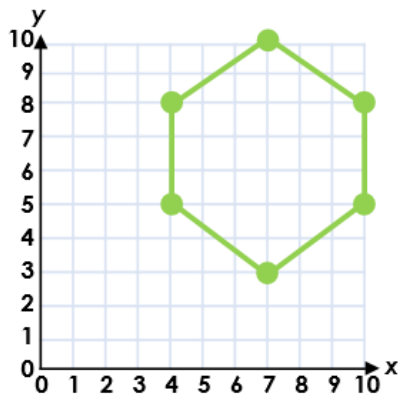
3. True or False? The coordinates of the hexagon are:

(10, 5) (3, 5) (8, 2) (5, 8) (5, 2) (8, 8)

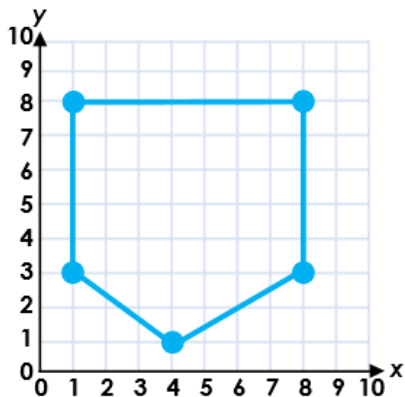


VF

4. Write the coordinates of the hexagon.



5. Write the coordinates of the pentagon.



# Reasoning and Problem Solving

Key Vocabulary: quadrant, coordinate, x axis, y axis, origin

Your answer

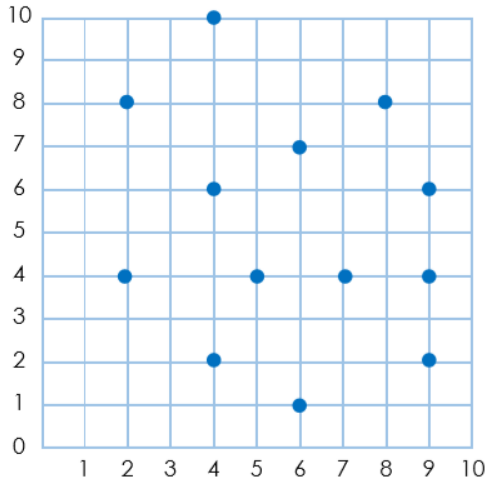
## REASONING 1

Jane and her brother plotted coordinates on a grid.



My points create a rectangle.

Which coordinates did Jane plot? Prove it.



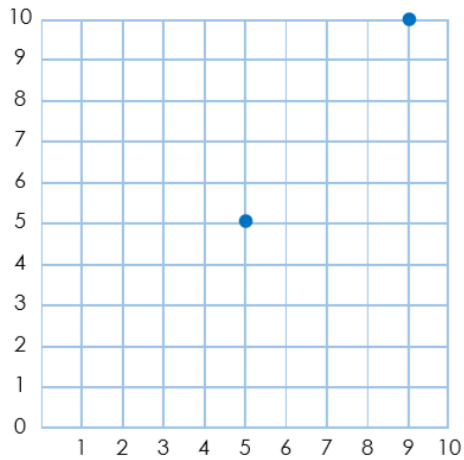
## REASONING 2

Alfie is drawing a right-angle triangle on the grid.

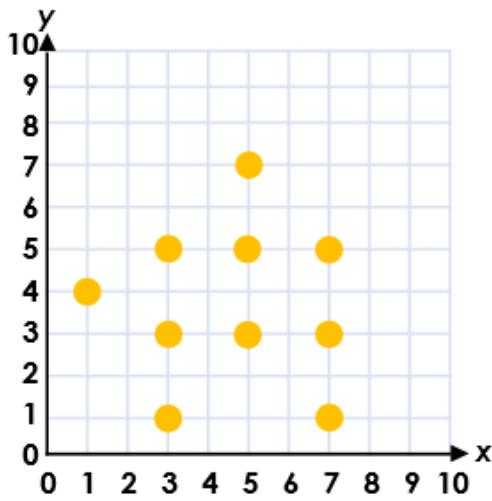


My final point could be (5, 9).

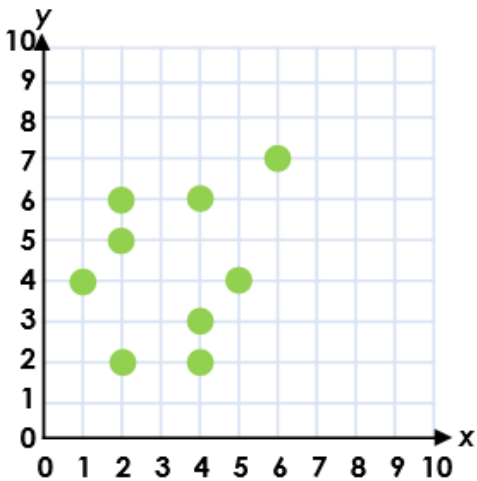
Do you agree with him? Explain why.



3. Which coordinates could be joined to create a pentagon?

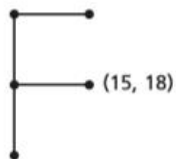


4. Which coordinates could be joined to create a hexagon?



## Extension

Eva has drawn an F on a coordinate grid. One point is labelled. Suggest possible values for the other points and label them on the diagram.



Compare answers with a partner.  
Is there more than one possible set of answers?

