

**Objective**

**Notes**

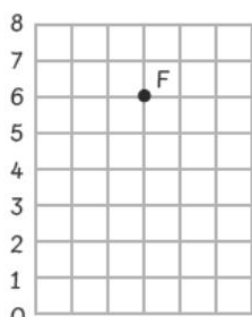
**Monday- Lesson 1**

**L.O.** To describe the position of an object on a grid.

Pupils should be taught to describe positions on a 2-D grid as coordinates in the first quadrant.

Today we are learning to read something called coordinates. We use these to describe the position of objects of grids.

Charles invents a way to describe the position of the fly.



F = 



F is at (3,6).

What does the 3 refer to?

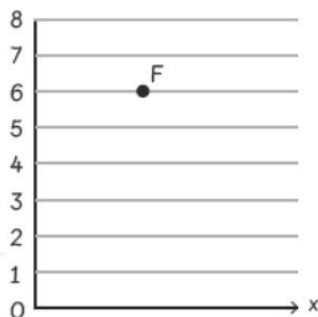


What does the 6 refer to?

**Let's Learn**

1

These numbers show the distance from the x-axis.



F is 6 units from the x-axis.

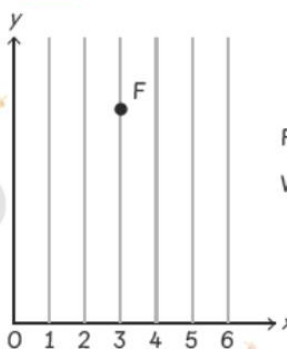
We write F = (  , 6 )

We call this line the x-axis.



2

We call this line the y-axis.



F is 3 units from the y-axis.

We write F = ( 3,  )

We call (3,6) the coordinates of the point F.



These numbers show the distance from the y-axis.

Please watch:

<https://www.bbc.co.uk/bitesize/topics/zgthvcw/articles/z96k9qt>

<https://www.bbc.co.uk/bitesize/clips/z7qmpv4>

Play the game available at:

<https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien->

Attack  
Complete the sheet called 'Monday – Lesson 1 – Sheet' that is available on the blog.  
Mark using the answers called 'Monday – Lesson 1 – Answers' that is available on the blog.

## Tuesday- Lesson 2

**L.O.** To describe the position of an object on a grid.

Pupils should be taught to describe positions on a 2-D grid as coordinates in the first quadrant.

Today we are continuing to develop our understanding of coordinates. Please watch:

<https://www.bbc.co.uk/bitesize/topics/zgthvcw/articles/z96k9qt>

<https://www.bbc.co.uk/bitesize/clips/z7qmpv4>

Recap reading coordinates by playing the game at:

<https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack>

Play the new game at:

<http://www.scootle.edu.au/ec/viewing/L350/index.html#>

If you are still feeling unsure, read the information in yesterday's lesson.

Complete the sheet called 'Tuesday – Lesson 2 – Sheet' that is available on the blog.

Mark using the answers called 'Tuesday – Lesson 2 – Answers' that is available on the blog.

Further challenge:

<https://nrich.maths.org/6288>

## Wednesday- Lesson

**3**

**L.O.** To plot points and draw a triangle.

Pupils should be taught to plot specified points and draw sides to complete a given polygon.

Today we are combining our knowledge of coordinates and triangles.

Recap reading coordinates by playing the game at:

<https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack>

Recap the different kinds of triangle at:

<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd>

**Watch the teacher video available on the blog.**

Complete the sheet called 'Wednesday – Lesson 3 – Sheet' that is available on the blog.

Mark using the answers called 'Wednesday – Lesson 3 – Answers' that is available on the blog.

## Thursday- Lesson 4

**L.O.** To plot points and draw a quadrilateral.

Pupils should be taught to plot specified points and draw sides to complete a given polygon.

Today we are combining our knowledge of coordinates and quadrilaterals.

Recap reading coordinates by playing the game at:

<https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack>

Recap the different kinds of quadrilateral using the game:

<https://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/QuadShapesShoot.htm>

Read the information below to support you:

Elliott has plotted three points.

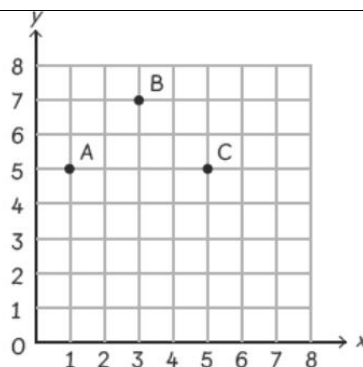


Where should D be in order for ABCD to be a square?



Could ABCD be a quadrilateral with one line of symmetry?

Could ABCD be a rectangle?



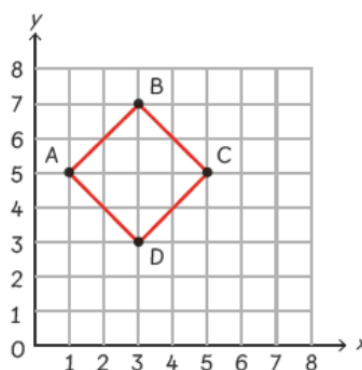
What if ABCD is a trapezium?

### Let's Learn

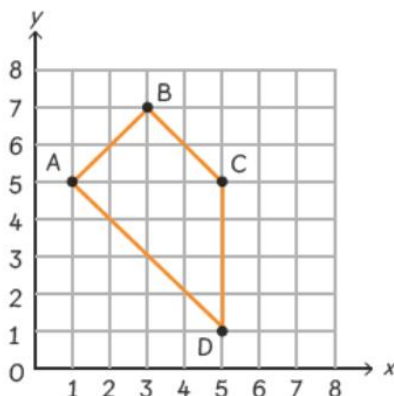
1 ABCD is a square.



D is at (3,3).



2 ABCD is a trapezium.

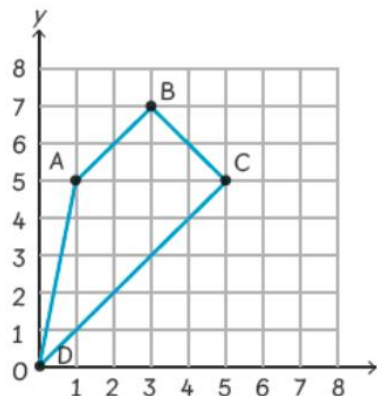


D is at (5, ).



D is at (0,0).

Are there other ways to make ABCD a trapezium?



Complete the sheet called 'Thursday – Lesson 4 – Sheet' that is available on the blog.

Mark using the answers called 'Thursday – Lesson 4 – Answers' that is

available on the blog.

## Friday- Lesson 5

**L.O.** To describe the movement between positions.

Pupils should be taught to describe movements between positions as translations of a given unit to the left/right and up/down.

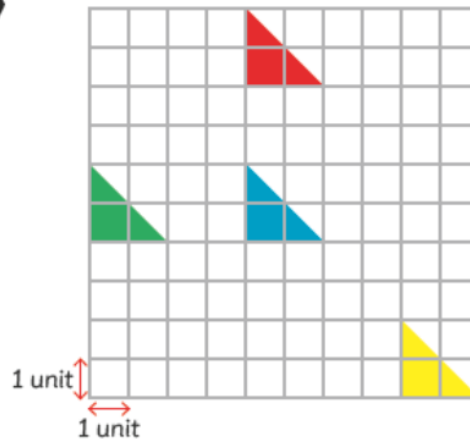
Today we are learning how to describe things that move across the grid. We call this translating.

Recap reading coordinates by playing the game at:

<https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack>



Read the information below:

### In Focus

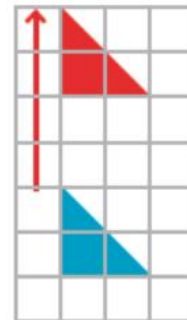


Describe how  can move into each of the three positions.

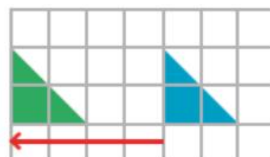
### Let's Learn

- 1 Describe  's movement into the position shown by .

It moves up by 4 units.



- 2 Describe this movement.



It does not turn.



It does not flip.



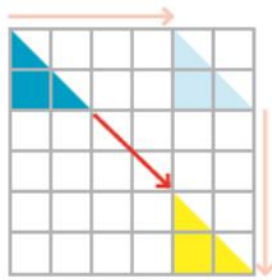
This movement is called a **translation**.

We say that  translates.

 translates 4 units to the left.



3 Describe this movement.



First  translates 4 units to the right.

Then it translates 4 units downwards.

Watch this video if you need some extra help with greater depth:  
<https://www.bbc.co.uk/bitesize/topics/z2dgrwx/articles/zcjs97h>

Complete the sheet called 'Friday – Lesson 5 – Sheet' that is available on the blog.

Mark using the answers called 'Friday – Lesson 5 – Answers' that is available on the blog.

### **Additional Resources**

Videos and extra worksheets are available to use and download at the link below. Click on the videos and worksheets tab and scroll down to Units.

[www.corbettmathsprimary.com](http://www.corbettmathsprimary.com)

### **Daily Arithmetic**

You can also practise times tables at the links below. I would recommend at least ten minutes a day.

This link came highly recommended on a course. You can adjust the times tables and length of time to answer to improve confidence. The check would have had 6 seconds per question so this is the **end** goal.

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>

This link comes highly recommended by the children!

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Please also remember to make use of Times Tables Rock Stars available with your child's log in at:

<https://ttrockstars.com/>