

Kestrels Home Learning Tuesday 19th May
Weekly tasks to do when possible:

Grammar and spelling: Using a thesaurus! Check out the slide about grammar and spelling.

Arithmetic: Practise multiplying whole numbers and decimals. Remember a whole number can always be changed to a fraction with 1 as the denominator. Challenge yourself by trying some mixed numbers.

Please make sure you are reading daily, for at least 20 minutes.

Japan Activities for the week!

Our weekly focus for this week is: Round up Research!

This week I would like you to use your time to find out anything else about Japan which you haven't found out yet! You could revisit any of the tasks from the previous weeks which you didn't manage to complete or research your own interests!

Feel free to present this information in any way that you would like.



Spelling and grammar

This week I would like you to practise looking up words in a thesaurus and finding some new words to use in your writing.

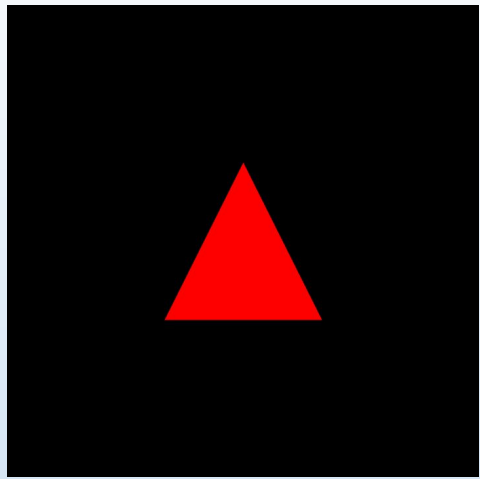
Below are some new words which I have learnt this week, can you find any words that interest you?

Crepuscular- relating to twilight, most active at dusk. An example- Many animals are crepuscular.

Auroral- relating to the dawn, most active at dawn. An example- some animals are auroral. Miss Stanley is far from auroral.

Write some sentences using the words and try to use them in speech throughout the day.

Challenge: Can you find a word which your family doesn't know?



Kestrels - Tuesday 19th May 2020

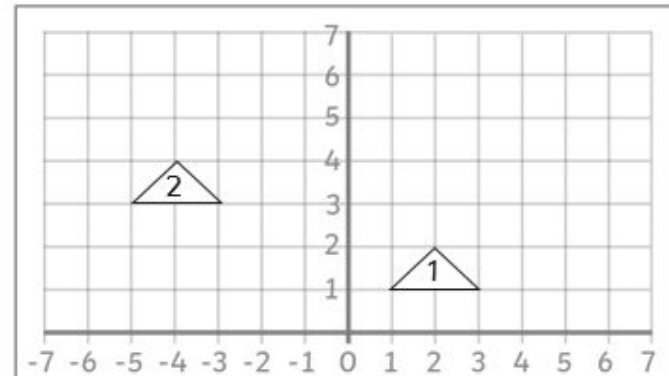
Maths- To translate shapes on a grid.

English- To read the next 2 chapters of
GMT.



A translation of a shape tells you how far left or right and up or down the shape has moved. You will be able to tell this by focussing on one of the corners of the shape and counting how far the corner has moved left and right or up and down.

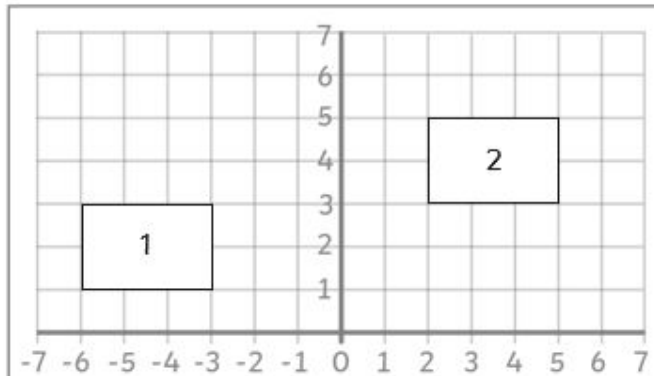
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

Finishing co-ordinates:



Starting co-ordinates:

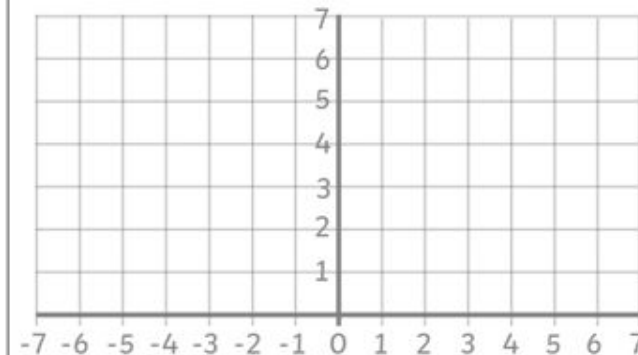
Translation:

Finishing co-ordinates:

**Bronze
Challenge**

Plot the following co-ordinates and follow the translations to reveal a new shape.

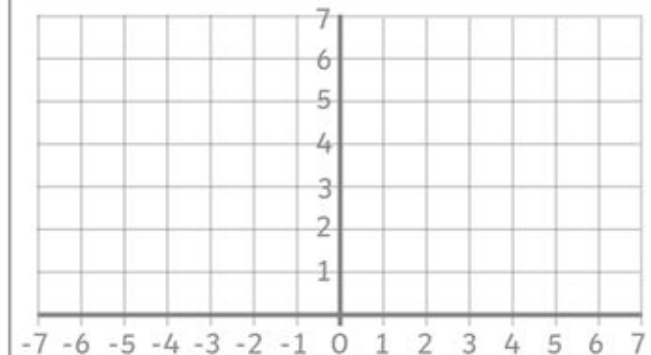
Plot these co-ordinates to reveal a shape:
 $(0,1)$, $(2,1)$, $(2,3)$, $(0,3)$



Translate the shape left 6, down 1.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape:
 $(-2,3)$, $(-1,5)$, $(-3,5)$



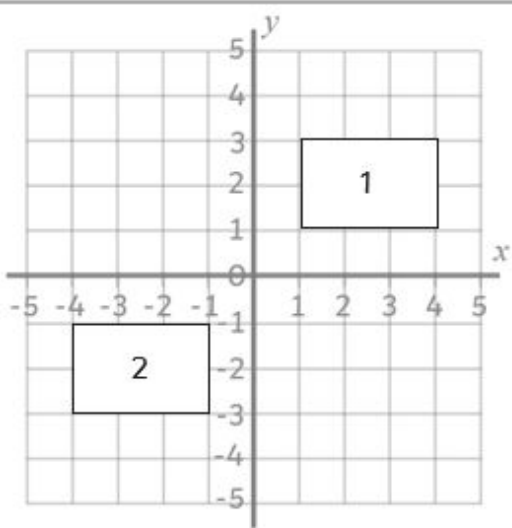
Translate the shape right 4, down 2.

What are co-ordinates of the new shape?

<https://www.bbc.co.uk/bitesize/topics/z2dqrw/x/articles/zcjs97h>- Information on how a shape can be transformed. What is translation, reflection and rotation?

A translation of a shape tells you how far left or right and up or down the shape has moved. You will be able to tell this by focussing on one of the corners of the shape and counting how far the corner has moved left and right or up and down.

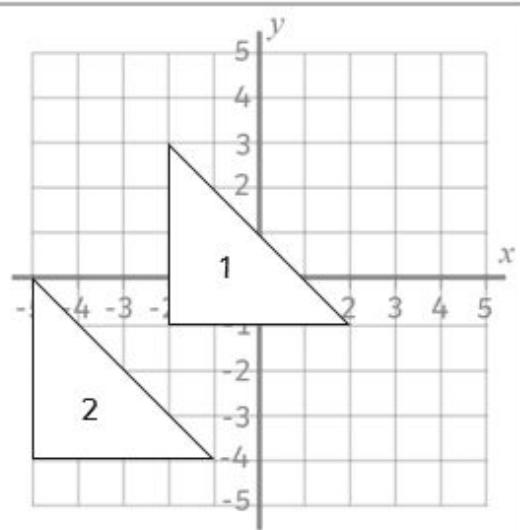
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

Finishing co-ordinates:



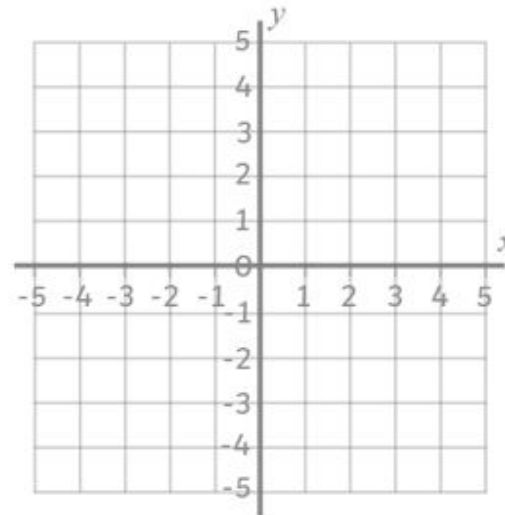
Starting co-ordinates:

Translation:

Finishing co-ordinates:

Silver
Challenge

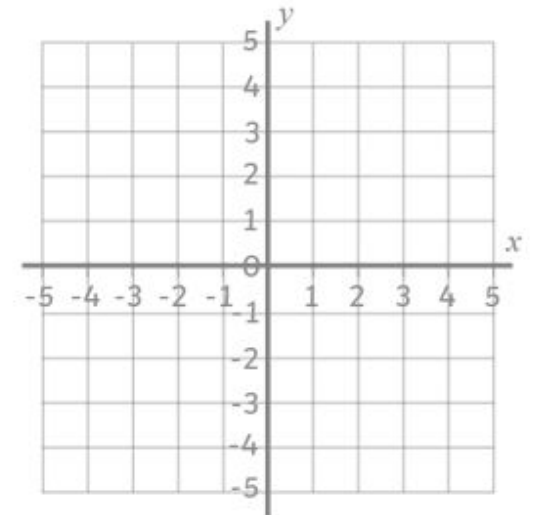
Plot these co-ordinates to reveal a shape: $(-3, -1)$, $(-3, -2)$, $(1, -1)$, $(1, -2)$



Translate the shape right 3, up 3.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape: $(2, 1)$, $(4, 1)$, $(0, -3)$, $(0, -1)$

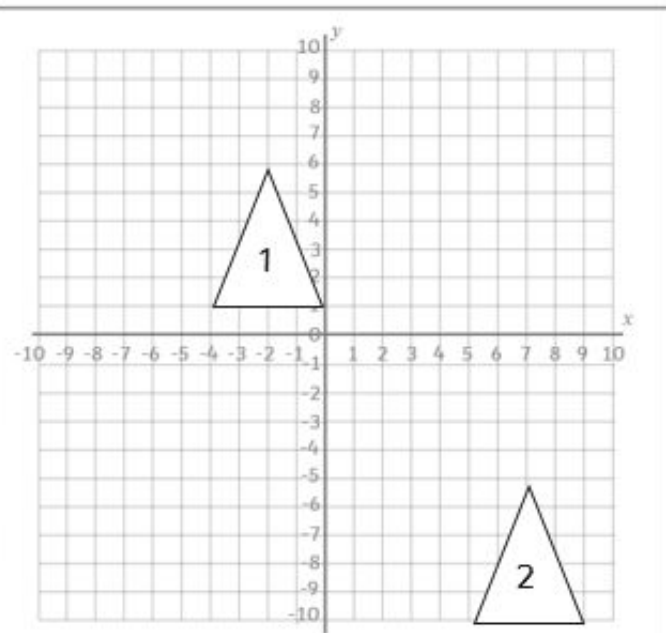


Translate the shape left 4, up 1.

What are the co-ordinates of the new shape?

<https://www.bbc.co.uk/bitesize/topics/z2dqrw/x/articles/zcjs97h-> Information on how a shape can be transformed. What is translation, reflection and rotation?

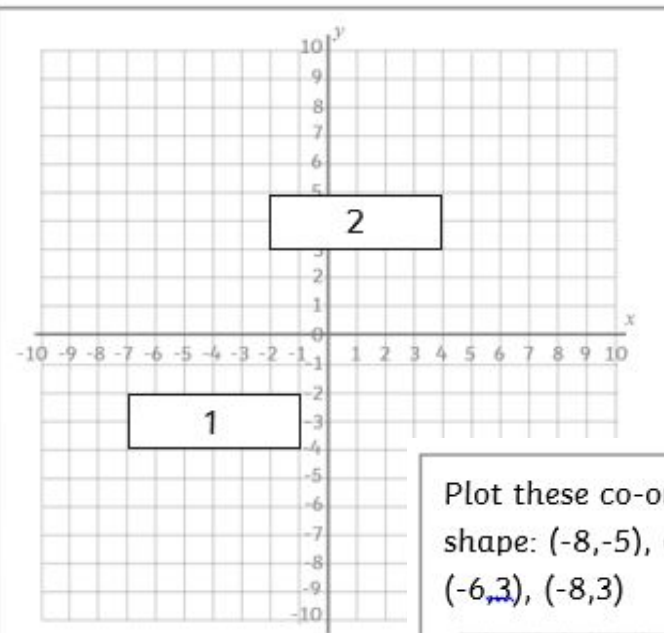
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

Finishing co-ordinates:



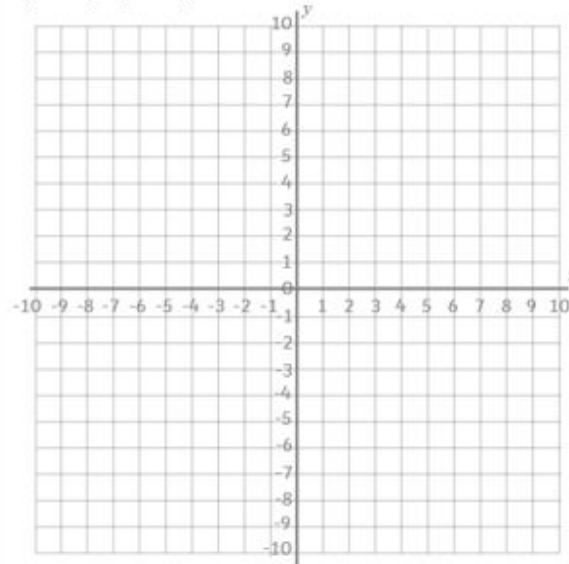
Starting co-ordinates:

Translation:

Finishing co-ordinates:

Gold Challenge

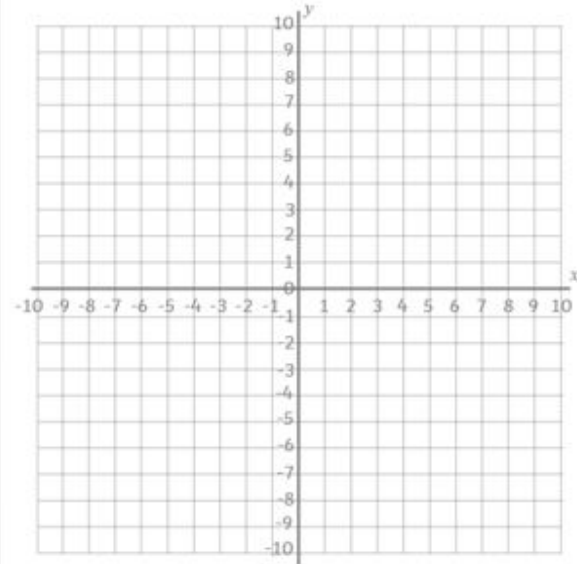
Plot these co-ordinates to reveal a shape: $(-8, -5)$, $(-4, -5)$, $(-4, -3)$, $(-6, -3)$, $(-6, 3)$, $(-8, 3)$



Translate the shape right 3, down 2.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape: $(-2, -6)$, $(-5, -2)$, $(-8, -6)$, $(-5, -10)$



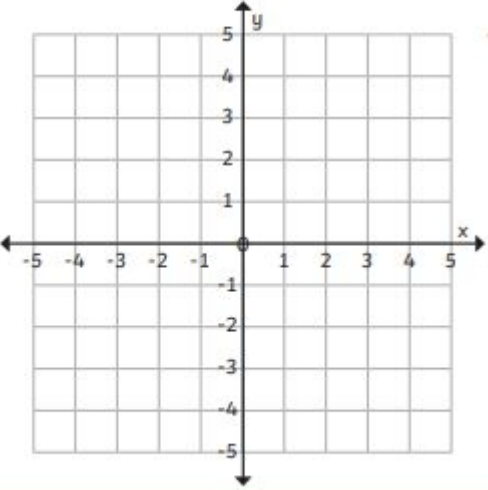
Translate the shape right 6, up 9.

What are the co-ordinates of the new shape?

<https://www.bbc.co.uk/bitesize/topics/z2dqrw/x/articles/zcjs97h> - Information on how a shape can be transformed. What is translation, reflection and rotation?

Here are some challenge cards on plotting co-ordinates in the four quadrants to create shapes- can you challenge yourself?

Four Quadrant Coordinate Shapes



4. Plot these coordinates to reveal a shape.

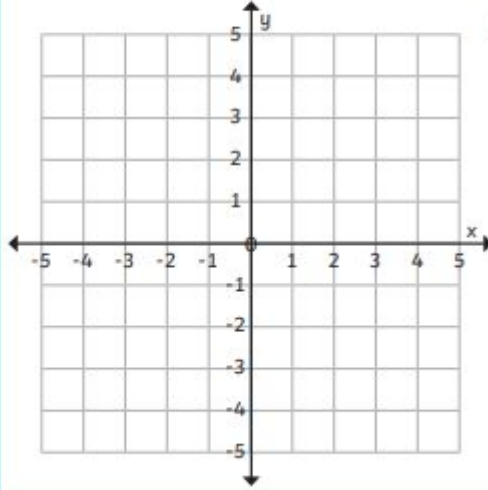
$(-4,3)$
 $(0,-1)$
 $(4,3)$

Name the shape.

Translate the shape down 3.

What are the shape's new coordinates?

Four Quadrant Coordinate Shapes



5. Plot these coordinates to reveal a shape.

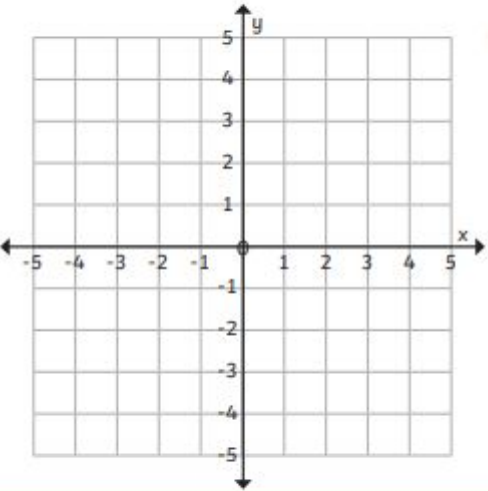
$(-3,2)$ $(4,3)$
 $(-5,0)$ $(2,5)$
 $(-2,-3)$ $(-2,1)$

Name the shape.

Translate the shape right 1, down 1.

What are the shape's new coordinates?

Four Quadrant Coordinate Shapes



6. Plot these coordinates to reveal a shape.

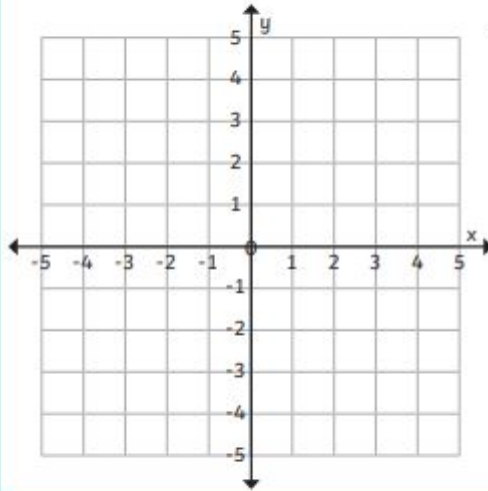
$(0,4)$ $(0,-4)$
 $(-3,1)$ $(2,-2)$
 $(-2,1)$ $(2,1)$
 $(-2,-2)$ $(3,1)$

Name the shape.

Translate the shape left 2, up 1.

What are the shape's new coordinates?

Four Quadrant Coordinate Shapes



7. Plot these coordinates to reveal a shape.

$(3,2)$ $(1,-3)$ $(2,0)$
 $(3,-4)$ $(2,-2)$ $(1,1)$
 $(2,-4)$ $(1,-1)$ $(2,2)$

Name the shape.

Translate the shape left 5, up 2.

What are the shape's new coordinates?

English

L.O: To read the next 2 chapters of GMT.

Read chapter 20 (Spooky Cott) and chapter 21 (Back to school) of Goodnight Mister Tom. We are going to finish the book tomorrow!

