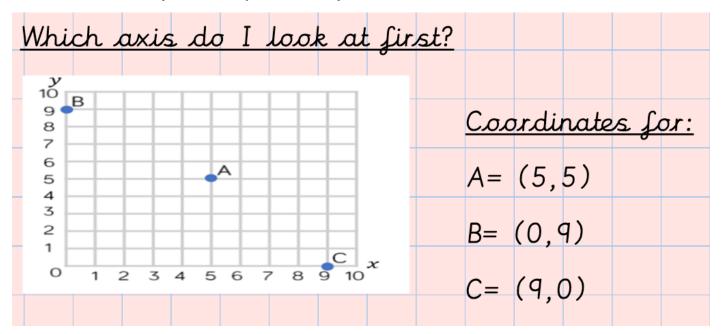
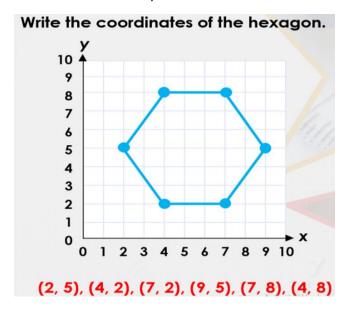
Manday

LO: The First Quadrant

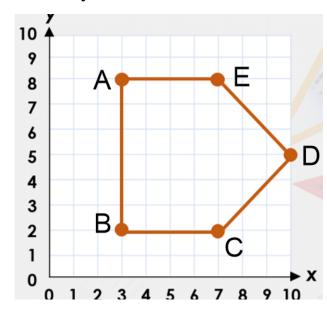
Remember to read along the x axis first and the y axis second



Heres's another example:



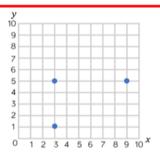
You try: What are the coordinates?



Which set of questions will you solve?

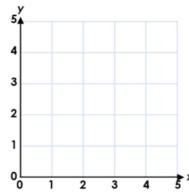
Positional Direction

Tommy is drawing a rectangle on a grid. Plot the final vertex of the rectangle. Write the coordinate of the final vertex.



1a. Plot the following coordinates to make an isosceles triangle:

Which is the odd one out? Prove it.



(2, 1)

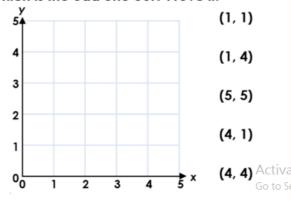
(4, 1)

(1, 5)

(3, 2)

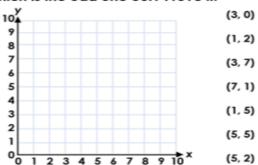
1b. Plot the following coordinates to make a square:

Which is the odd one out? Prove it.



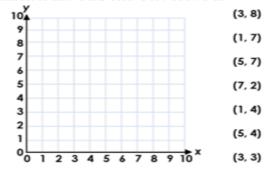
4a. Plot the following coordinates to make a hexagon:

Which is the odd one out? Prove it.

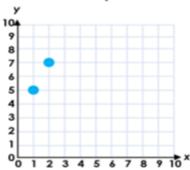


4b. Plot the following coordinates to make a hexagon:

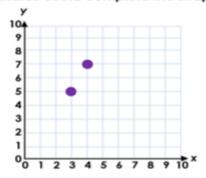
Which is the odd one out? Prove it.



5a. Ava is drawing a hexagon. She has plotted the first two points. What coordinates could complete the shape?

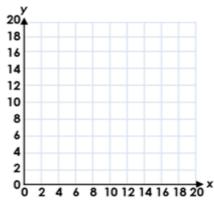


5b. Dan is drawing a pentagon. He has plotted the first two points. What coordinates could complete the shape?



7a. Plot the following coordinates to make an octagon.

Which two are the odd ones out? Prove it.



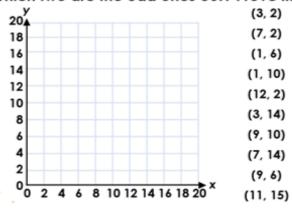
(6, 7)(10, 19)(6, 19)(10, 7)(14, 20)

(4, 15)(12, 11)(4, 11)(12, 15)

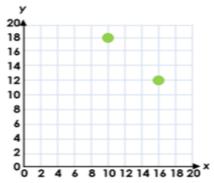
(15, 7)

7b. Plot the following coordinates to make an octagon.

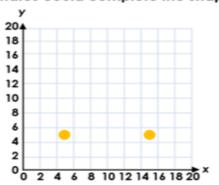
Which two are the odd ones out? Prove it.



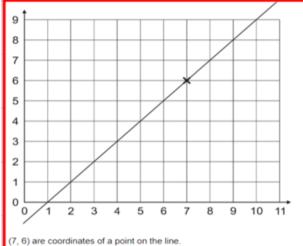
8a. Sadia is drawing a heptagon. She has plotted the first two points. What coordinates could complete the shape?



8b. Logan is drawing an octagon. He has plotted the first two points. What coordinates could complete the shape?



Challenge:



(7, 6) are coordinates of a point on the line.

Tick (✓) which of these are coordinates of other points on the line.



(9, 10)

(5, 4)

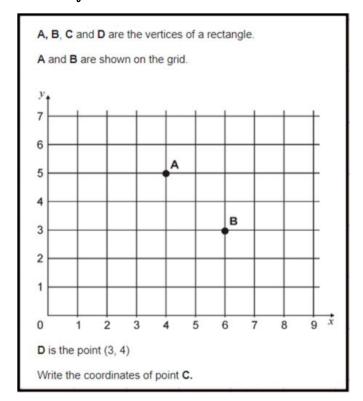
(4, 2)

(10, 9)

(7, 9)

How do you know that point (11, 12) would not be on this line?

Reasoning:

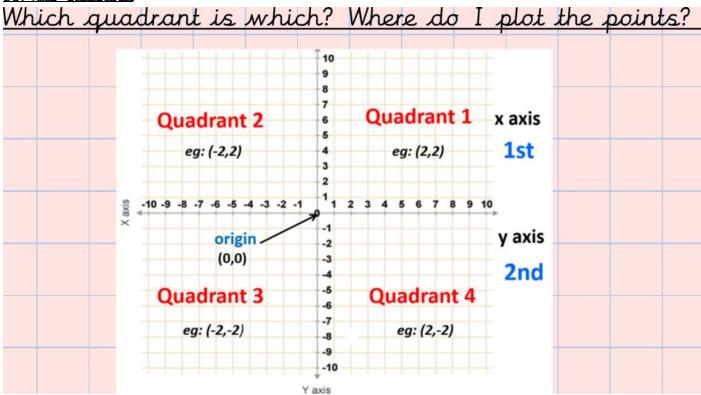


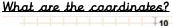
Purple Mash: Coordinates 1

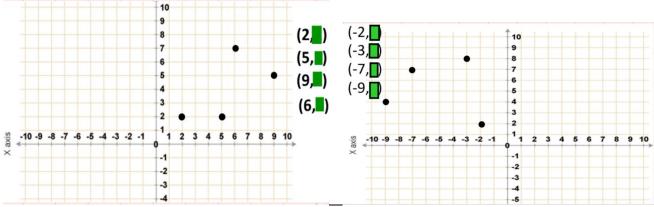
Rock Stars: You should be able to recall all of your timestables.

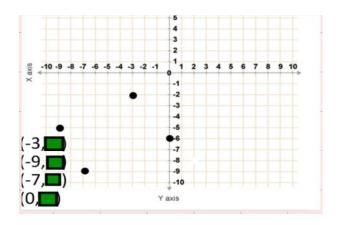
Tuesday

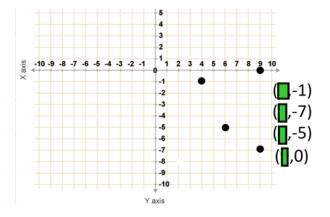
LO: Four Quadrants





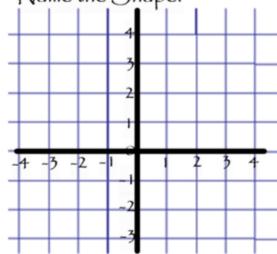






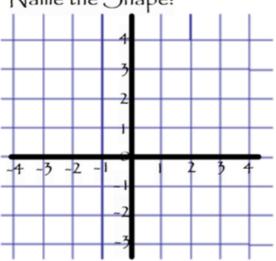
Plot: (2,-1), (-1,-1), (-2,3)

Name the Shape:

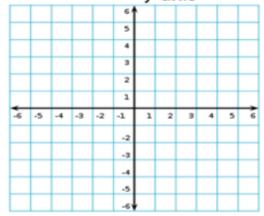


Plot: (-1,-1), (-1,3), (3,3), (3,-1)

Name the Shape:







Question 1

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (5, 2)

B (4, 4)

x-axis

x-axis

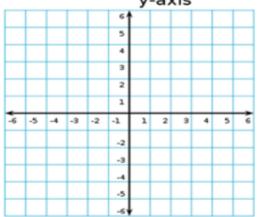
C (-1, 2)

D (-2, -3)

E (2. -5) Join E back to A

What is the name of this shape?

y-axis



Question 2

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (3, 5)

B (0, 6)

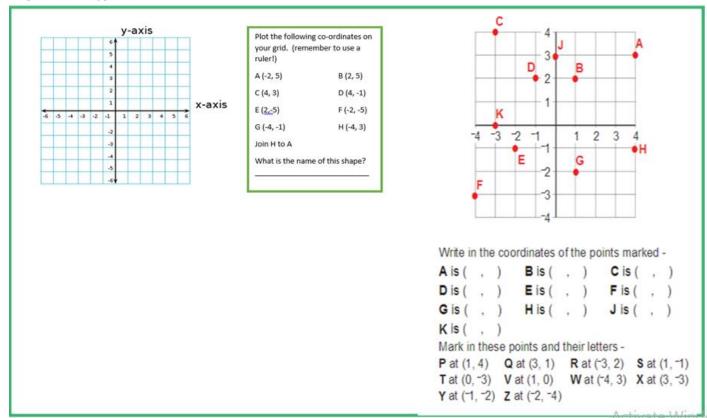
C (-3, 5)

D (0, -5) Join D back to A

What is the name of this quadrilateral?

WC 06.07.2020

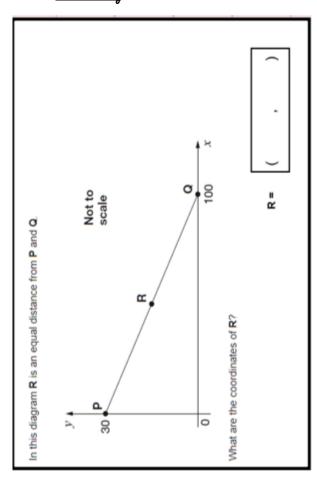
Positional Direction



Challenge

Layla draws a square on this coordinate grid. Three of the vertices are marked. y 6 -6 -5 -4 -3 -6 -5 -4 -1 -2 -3 -4 What are the coordinates of the missing vertex?

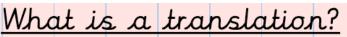
Reasoning



Purple Mash: Coordinates. 2

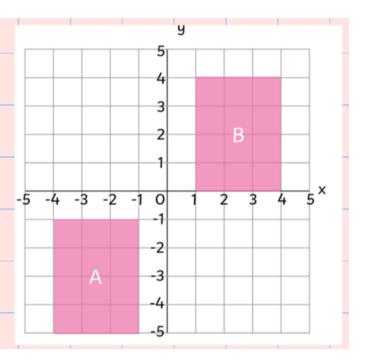
Rockstars:

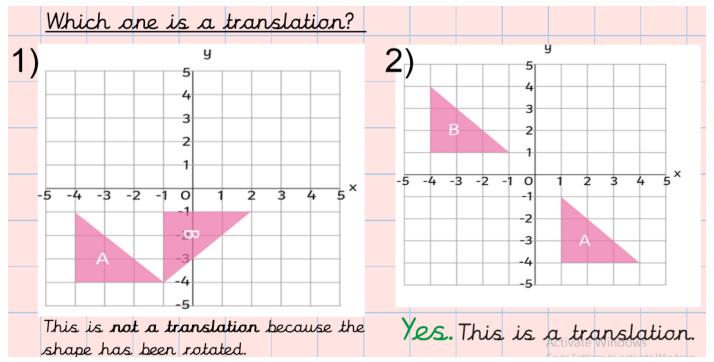
LO: Translation



A translation is when a shape moves from one position to another without being rotated or flipped.

On this grid, rectangle A has been translated to position B.





How do we describe a

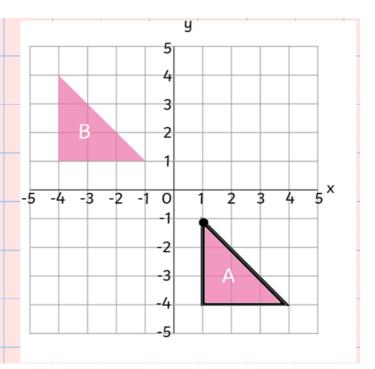
translation?

To describe a translation, you have to say how many squares it has moved to the left or right, and how many squares it has moved up or down.

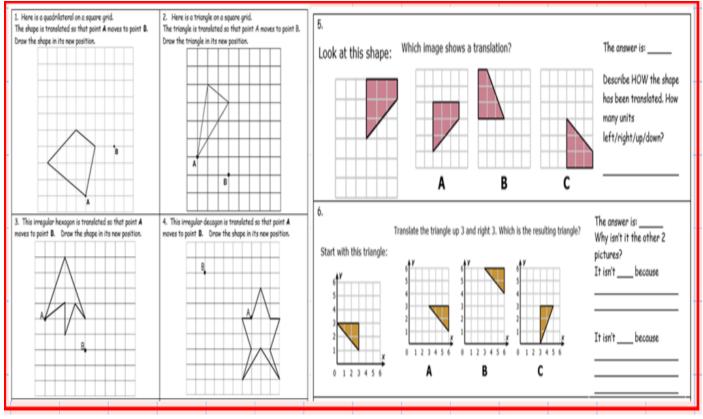
There is a point on (1,-1) to help me translate shape A. Move triangle A.

The shape has been translated 5 squares to the left. Then 5 **squares up**.

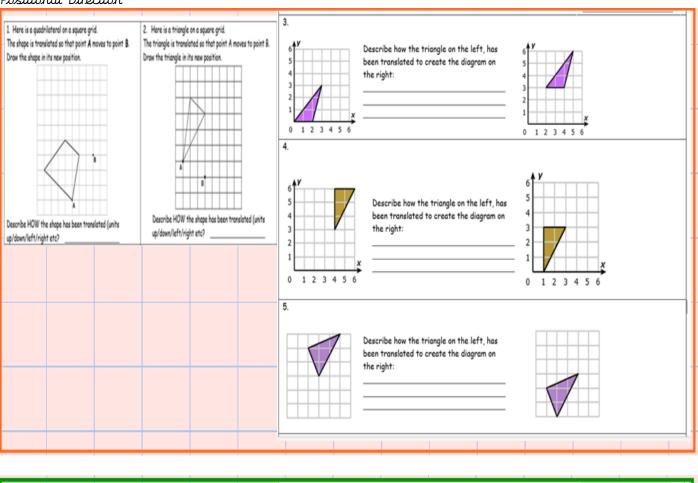
What are the coordinates of the black point shown on shape B?

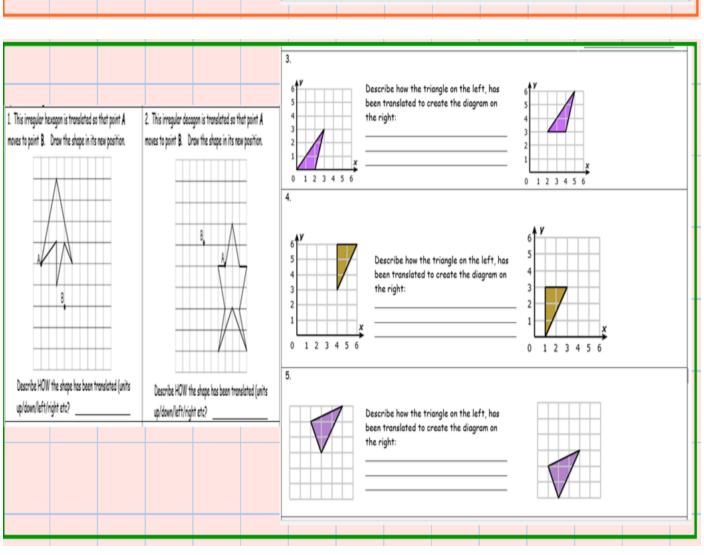


Which set of questions will you solve?

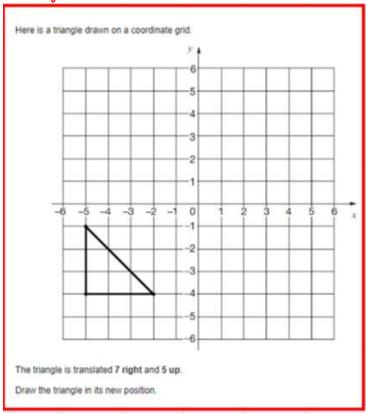


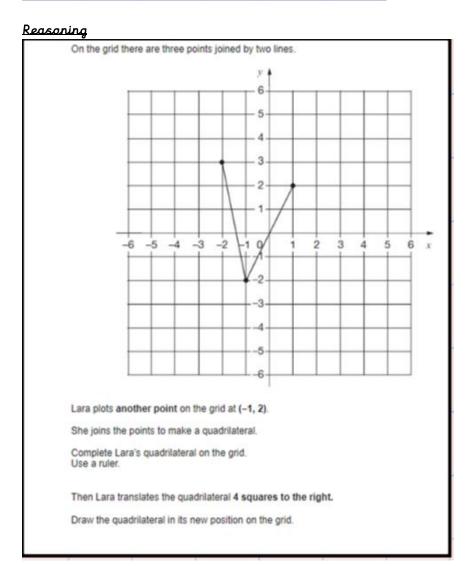
Positional Direction





Challenge





Purple Mash: 2Logo

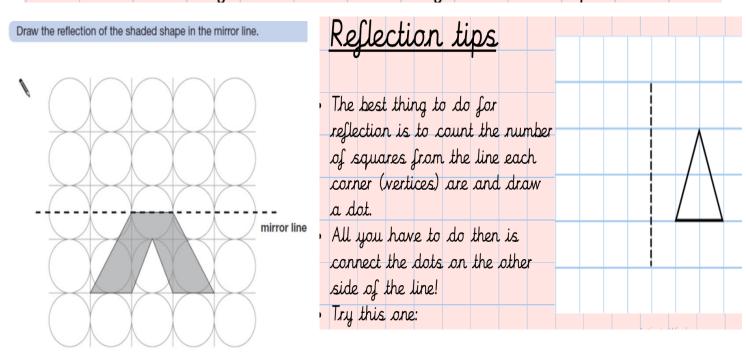
Rockstars

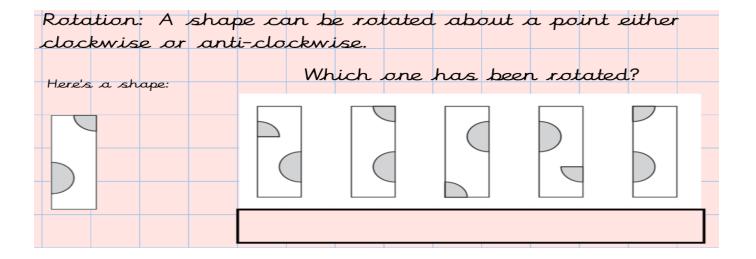
Thursday

LO: Rotation and Reflection

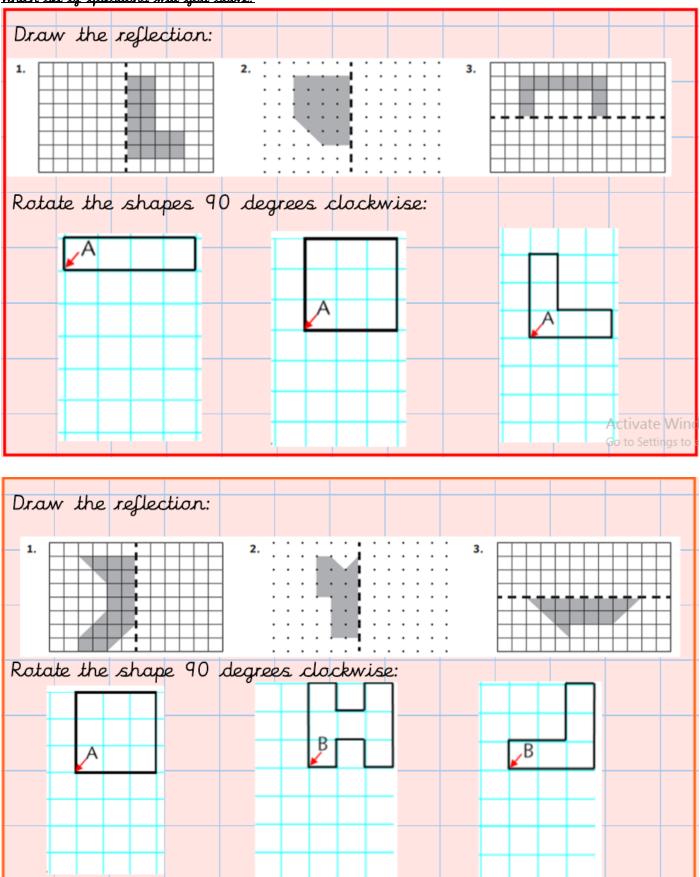
What is a reflection?

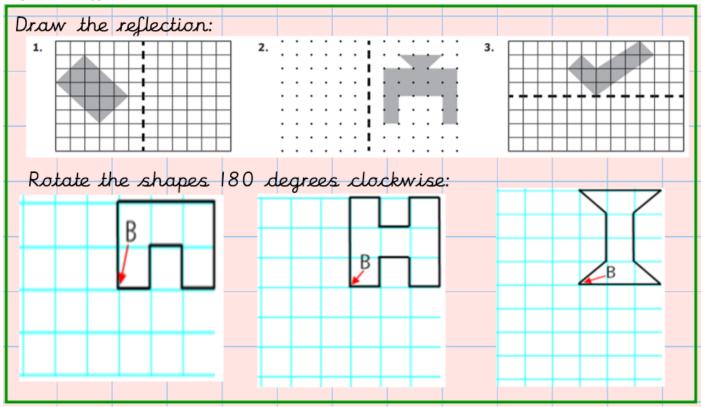
- Is all about looking at it in a mirror.
- If a shape can reflect itself perfectly then we call
 this a line of symmetry. In other words it's the
 same shape folded in half and fitting perfectly.
- You can be given a line to reflect a shape over.

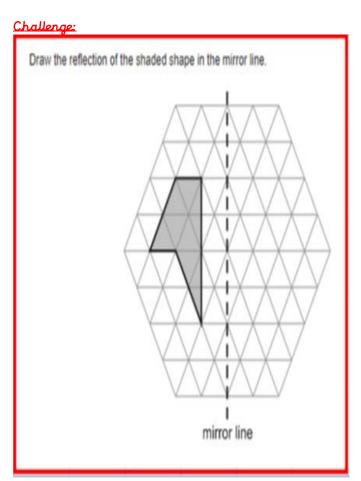


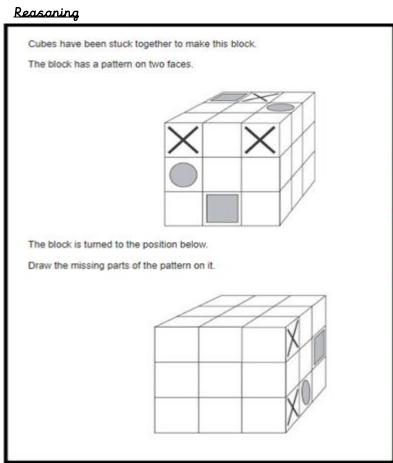


Which set of questions will you solve?









Friday

LO: Arithmetic

$$1)444,444 - 10,000 - 10,000 =$$

$$7)6,280 \div 9 =$$

$$8)90 \times 900 =$$

9)
$$4,000 \div 800 =$$

11)
$$25,000 \div 50 =$$

12)
$$3,500 \div 50 + 150 =$$

15)
$$11^2 + 6^2 - 4^3 =$$

16)
$$_{40+7\times40} =$$

$$19)0.08 \times 9 =$$

Challenge

In the circle write +, -, x, or ÷ to make the calculation correct.

Reasoning

$$5,542 \div 17 = 326$$

Explain how you can use this fact to find the answer to 18 x 326

<u>Purple Mash: Estimations and My Dice Game</u> Rockstars