

Graphing Day 2

Now we will do an exercise in plotting points on a grid.

(also known as a coordinate grid or a cartesian plane)

If you have graph paper great, if not you can make some with lined paper.

To graph we cut the page into 4 even squares, in $\frac{1}{2}$ vertically and $\frac{1}{2}$ horizontally

If you do a question like your wages from yesterday, we do not really need the negatives.

We number across each axis. The horizontal is the x-axis, the vertical is the y-axis.

So we number the lines 1 2 3 4 5 6 this is too many numbers

So lets number 2 4 6 8 if we do evens I know where 5 is.

So we are going to graph points like battleship

Instead of (A, 4) in battleship we would have (1 , 4) because we use numbers

So if we are trying to plot (4 , - 3) this is called an ordered pair.

The first number is the x - coordinate and it tells us left or right. Moving right is pos. and left is neg.

The second number is the y - coordinate and this tells us up or down. Up is pos. down is neg.

So (4 , - 3) is 4 to the right and 3 down.

Ordered pairs are always written in (x , y) form with brackets

For the homework you will need to plot the points and join each shape together.

Do not join the shapes, only join the points in each shape.

If shape 3 connects to shape 4 ok but do not automatically join them.

You can do either page Bowser is easier, because the other one has small decimals that are hard to read.

I have filled in the commas and the only decimals used are .5s like 3.5

So a ordered pair like (4 . 5 , 6) could be 4 . 5 and 6 or maybe 4 and 5 . 6 no it cant be 5 . 6

Please use graph paper or print off if you have the option or just make some I put an example to help.

I would like you to send me a text of this picture in by Monday

(the **points are 5 attempted, 8 good, 10 colored**) yes I would like it colored please.

and the graph you made of you wages from yesterdays notes.