Homework 11

Hand in: _____

Do not use a calculator for questions 1-6. You must show all your working out where the question number is **underlined**. For these questions stating an answer without showing a written method will not score a mark.
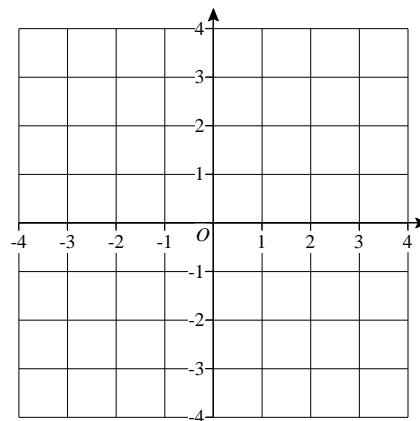

1. Add the following numbers together;
     0.054, 2.3 and 0.28
	2. Find the difference between the following numbers;
	     1.02 and 0.406

3.
 	
     42 x 35 =
	4.
	
	     625 ÷ 3 =

5. ⅝ of an amount is 45. What is the amount?	6. Convert 0.37km to centimetres.
7. Write 1745 using 12 hour clock notation.	8. Draw the line $y = 2$ on the axes.
9. Decrease 300 by 15%	10. Write 56% as a fraction in its simplest form.

Gold:

An object has vertices at the points
(3,5)   (6, 2) and (10, 7)

It's image has corresponding points at (6 ,3) (9, 0) and
(13, 5)

Write down the vector used to translate;
The Object to the Image.

……………………………………………………………………..

The Image to the Object.
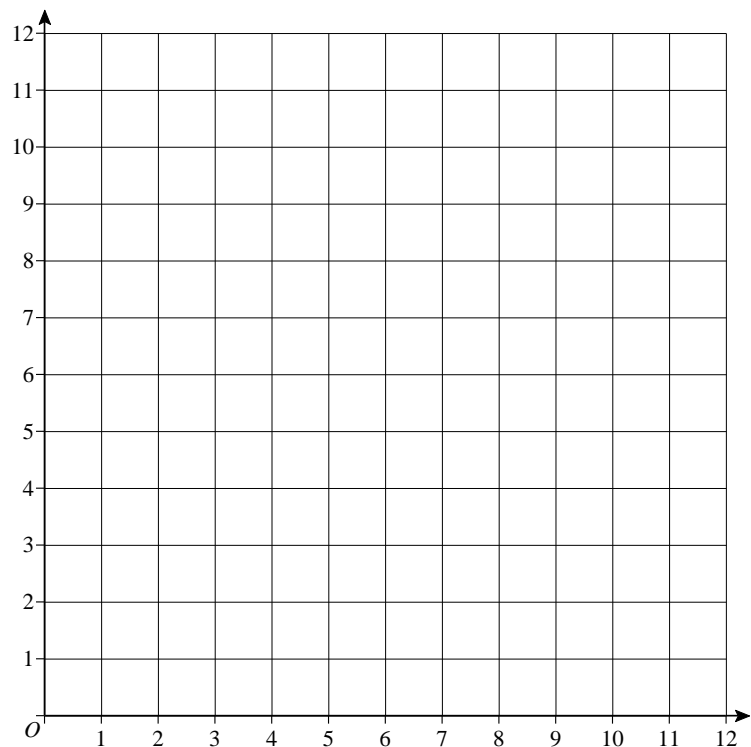
……………………………………………………………………..

Silver:

On the axes opposite:

Plot the points (3,2) (2,5) (3,6) (4,5)
Join to make a quadrilateral.

Translate the shape $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$

.

Write down the coordinates of the image

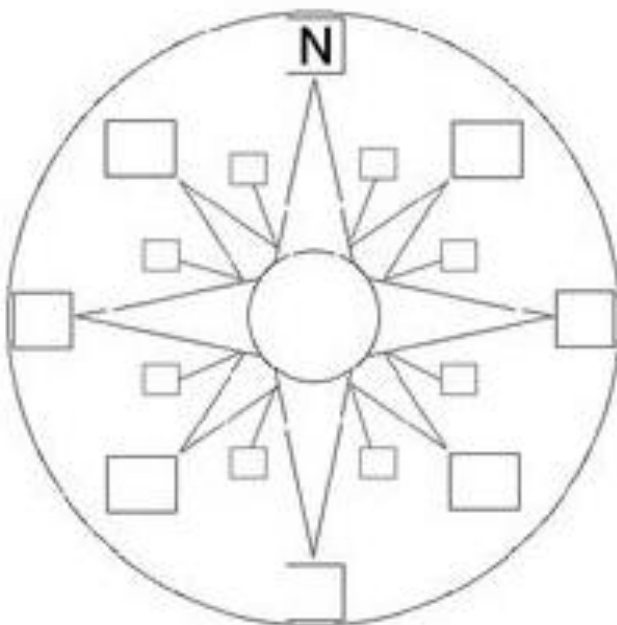……………………………………………………………………..

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What do you notice?

……………………………………………………………………..

……………………………………………………………………..

Bronze:

Complete the seating plan:

Nancy is sat at the head of the table.

Quinn sits west of Nancy.

Penny must be to the west of Nancy.

Oscar must be opposite Penny.

Mike must sit next to Oscar.
Tommy must be to Quinn's right.
Ryan is next to Oscar. Stuart is opposite Mike.
Where could they all sit?