Homework 15

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.

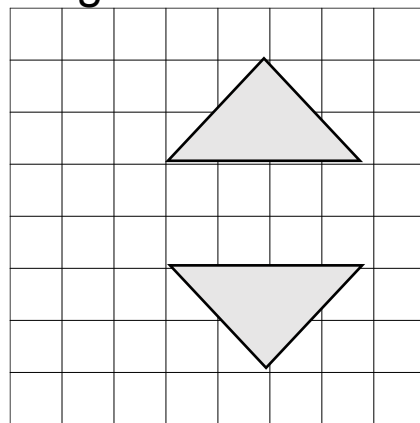| **1.** Two fifths of an amount is 24. What is the amount?	**2.** Calculate the product of 0.71 and 0.9.
3. Expand the brackets and simplify; 2(3a +7) + 4(2a +1)	**4.** 5 out of 20 people prefer coffee. What angle should represent them on a pie chart? .

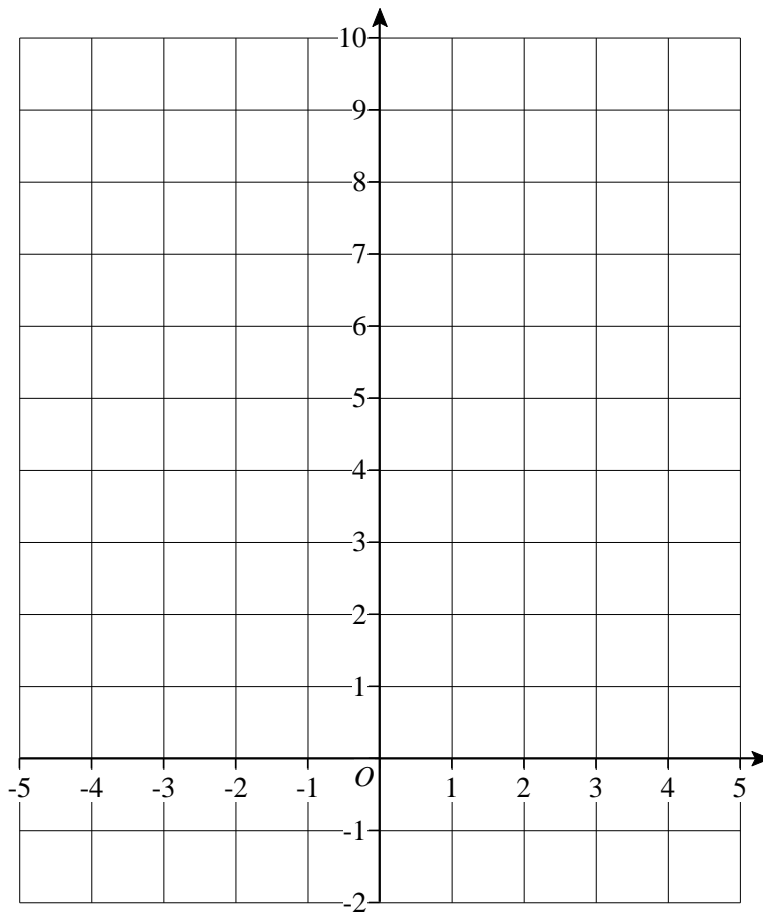| **5.** Write 0.85 as a fraction in its simplest form	6. Write these numbers in ascending order. $$0.62,\ \ 67\%\ ,\ \ \frac{13}{20}$$
7. Decrease 340 by 22%	8. Draw the mirror line on the diagram.
9. Complete the sets of coordinates using the equation y = 3x - 4 (3,___) (___,32)	10. Calculate the midpoint of 41 and 73.

Gold:

Complete the table of values and plot the graph of

$$y = x^2 + 2x + 1$$

x	y
-4	9
-3	4
-2	1
-1	0
0	
1	
2	
3	

Silver:

Substitute the following values into the expressions below.

$$a = 3 \qquad b = 10 \qquad c = 2$$

1. $a + bc =$

....

2. $4ac =$

....

3. $3a + 4b - 5c =$

....

Generate coordinates and plot the graph for y=3x + 1
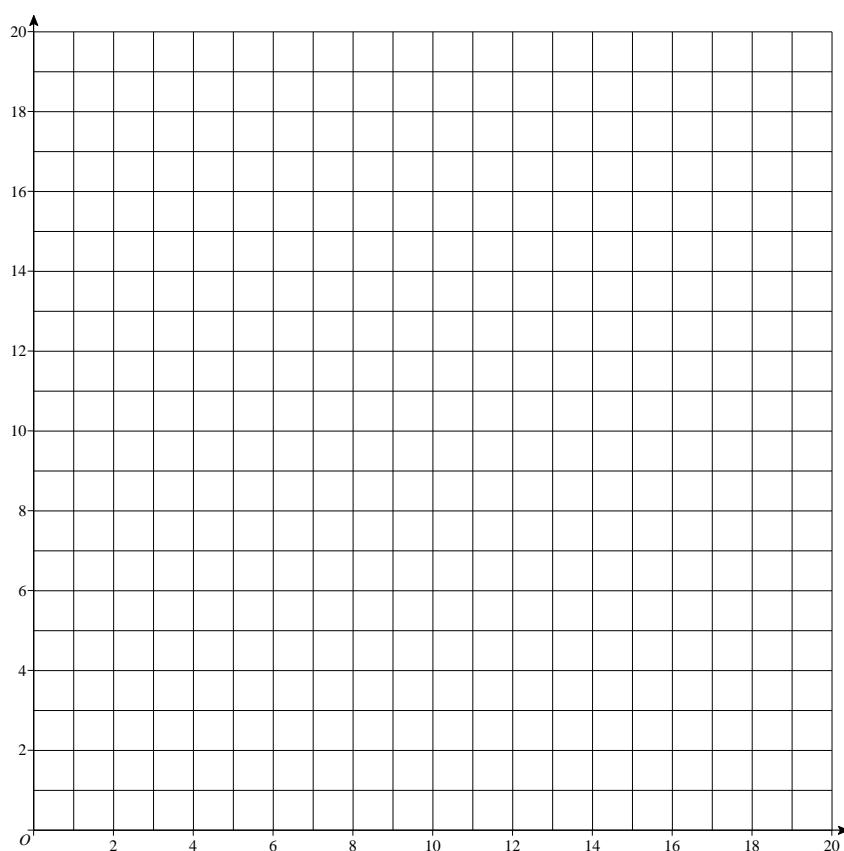
x	y
0	
1	
2	
3	
4	
5	

Bronze:

Substitute the following values into the expressions below.

a = 4   b = 10   c = 2   d = 1

a + b + c + d = …………………………………………….

10a =……………………………………………………….

3b + 5c = …………………………………………………..

6d + 2c + b = …………………………………………….…..

ab + 3d = …………………………………………………….