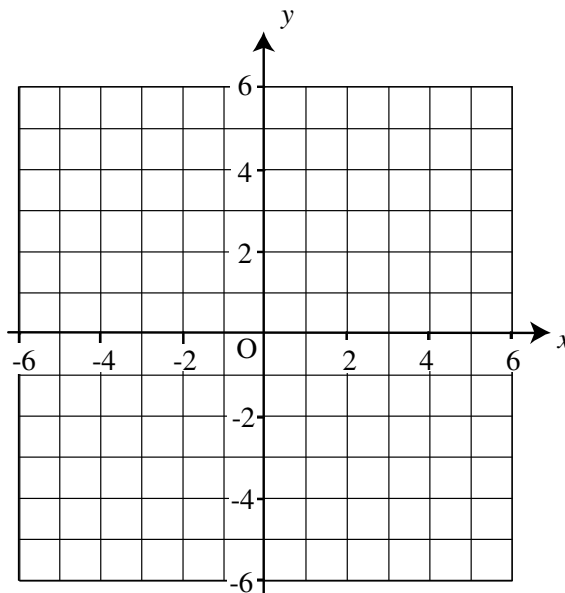




4. There are five million people in the United Kingdom aged 15 – 19.  
30% of these five million people regularly watch cartoons.  
How many people is this ?

5. (a) On the grid, plot the points  
A(-4, -3), B(3, -1) and C(4, 4)
- (b) Find the gradient of the line AB.
- (c) Plot the fourth point D, so that  
shape ABCD is a parallelogram.  
Write down the coordinates of D.

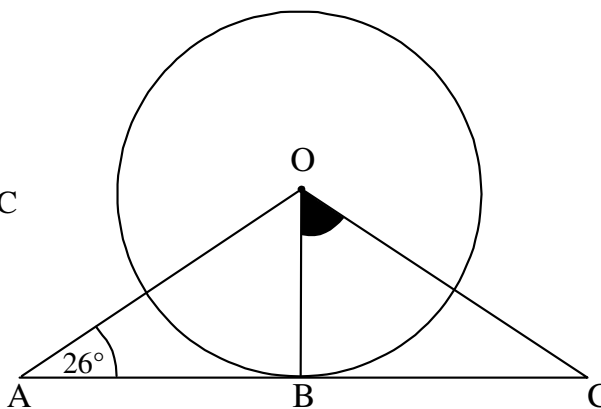


6. Starting with the smallest, write the following in order.

0.404      $\frac{1}{4}$      41%     0.04      $\frac{4}{10}$

7. In the diagram, the circle  
centre, O,
- Triangle AOB is isosceles
  - AB is a tangent to the circle at C
  - Angle CAO is  $26^\circ$

Calculate the size of the shaded  
angle COB.

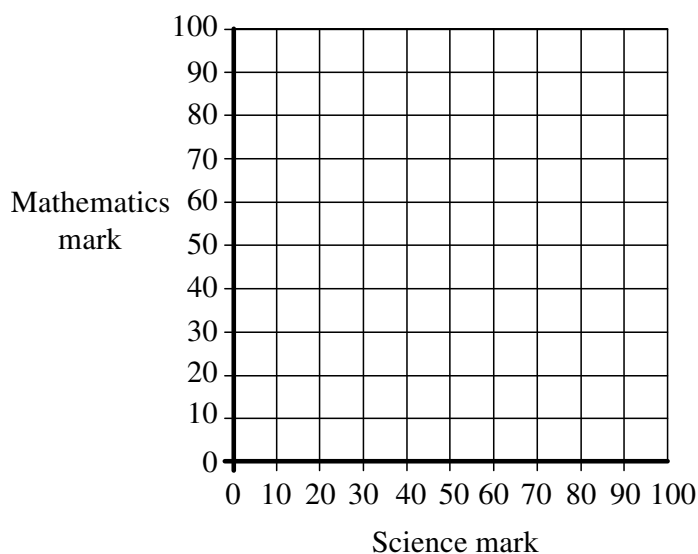


KU	RE
2	
2	
2	2
	2
	2

8. The Science and Mathematics marks for 10 students are shown in the table below.

Student	A	B	C	D	E	F	G	H	I	J
Science Mark	35	45	65	70	57	25	80	85	10	34
Mathematics Mark	41	52	65	75	60	28	84	90	11	37

(a) Using these marks draw a scattergraph.



(b) Draw a best-fitting line on the graph

(c) A student whose Science mark is 50 was absent from the Mathematics exam. Using the best-fitting line, estimate this student's Mathematics mark.

9. A gardener has been measuring the weekly growth rates of plants.

Two of the plants that have been measured are Plant A and Plant B.

One week Plant A is 29 cm high and Plant B is 46 cm high.

The next week, Plant A is 57 cm high and Plant B is 71 cm high.



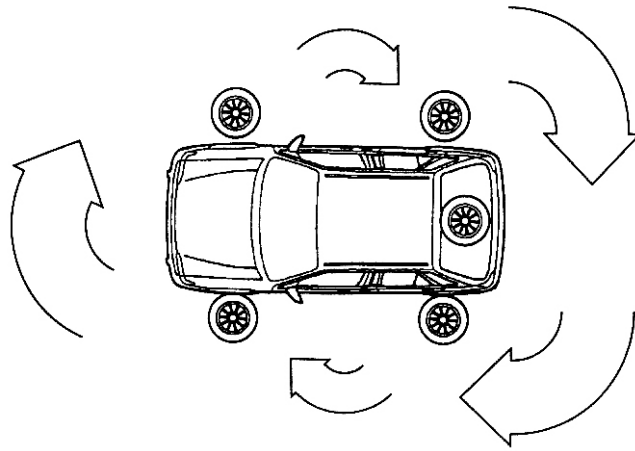
Plant A

Plant B

Which plant has grown more in the week and by how much ?

KU	RE
3	
1	
	1
	3

10. A car has five tyres, one on each of the four road wheels and one on the spare wheel.



Mr Anderson switched his tyres regularly so that all five tyres were used equally.

Last year he travelled 20 000 miles.

How many miles did each tyre do on the road ?

*END OF QUESTION PAPER*

**TOTALS**

KU	RE
	3
<b>18</b>	<b>16</b>