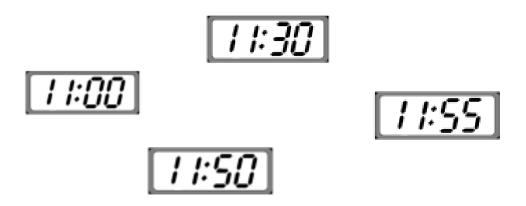
Name			Date	-
:		spapers.org Optional SA	Ts Test	
	P	hematics aper B allowed. 45 mir		
1. Write the mi	ssing number	s in this seque	nce.	
96	48		12	
				1 mark
2. There are 80) marbles in a	bag.		
	dren take 20 n many marbles	narbles each. are left in the l	bag?	
				1 mark

3. A train leaves at 11.10am. It takes 40 minutes to get to its destination.

Circle the time it arrives.



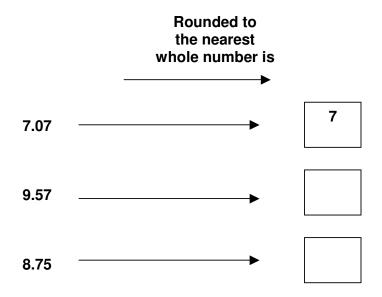
1 mark

4. Write what the missing numbers could be.



1 mark

5. Write in the missing numbers One has been done for you.

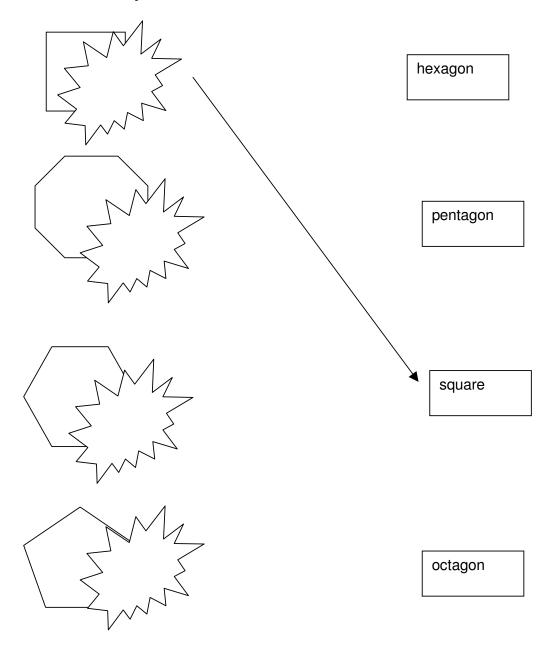


6. Here are some regular 2-D shapes.

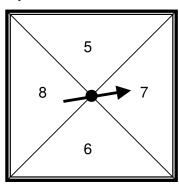
A star hides part of each one.

Match each <u>regular</u> shape to its name.

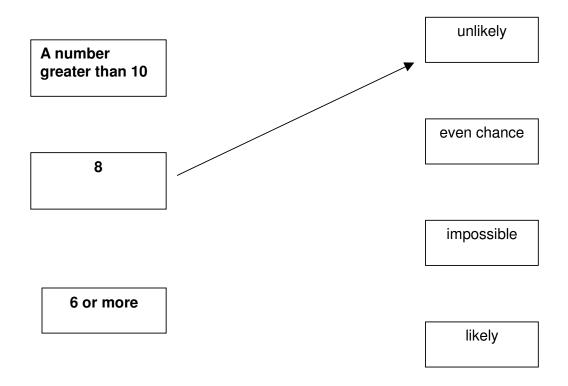
One has been done for you.



7. Harry has this spinner.

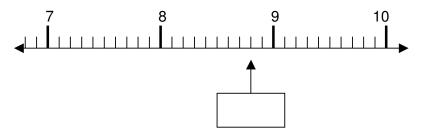


What is his chance of spinning the numbers below? Match each number to the correct word. One has been done for you.



1 mark

9. Here is part of number line. Write the missing number in the box.

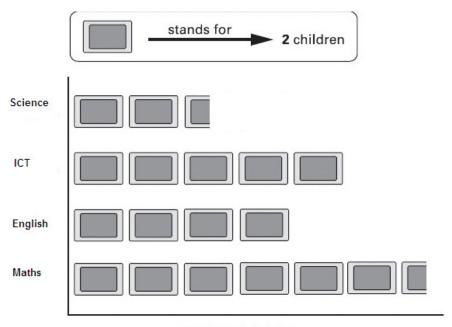


1 mark

10. Jamal asked his class,

'What is your favourite subject?'

Here are his results.

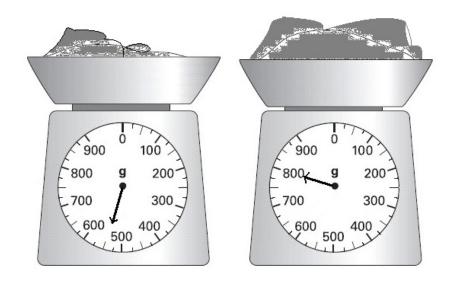


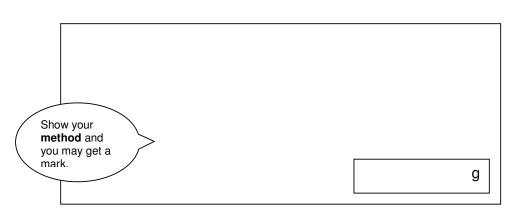
number of children

How many more children prefer ICT than science?



11. Clay is being weighed on these scales. How much heavier is the clay in the second scales?

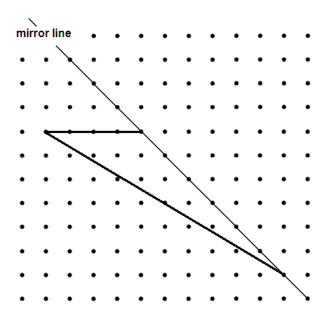




2 marks

12. Write what the missing numbers could be.

13. Draw the <u>reflection</u> of the shape in the <u>mirror line</u>. Use a ruler.



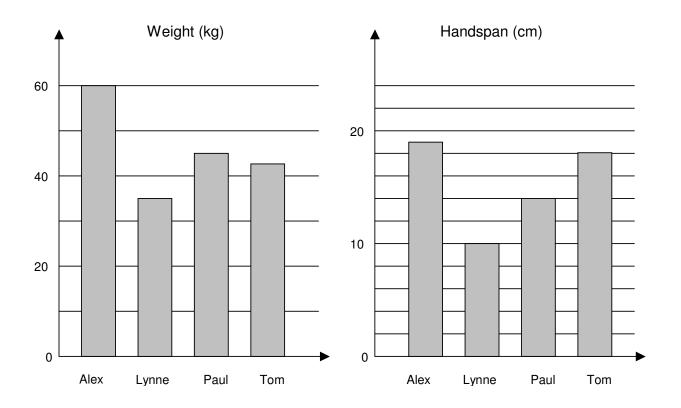
1 mark

14. Here are four digit cards.

8	3
---	---

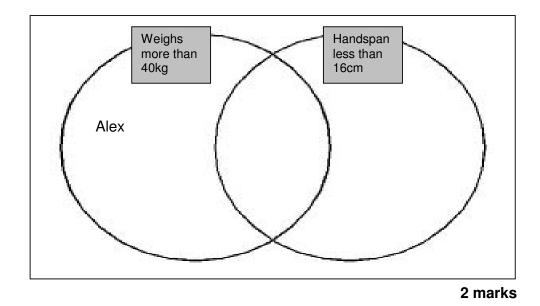
Write in three of the digits to make the total nearest to 500.

15. These graphs show data about Alex, Lynne, Paul and Tom.



Use this data to write each person's name in the correct region on the Venn diagram.

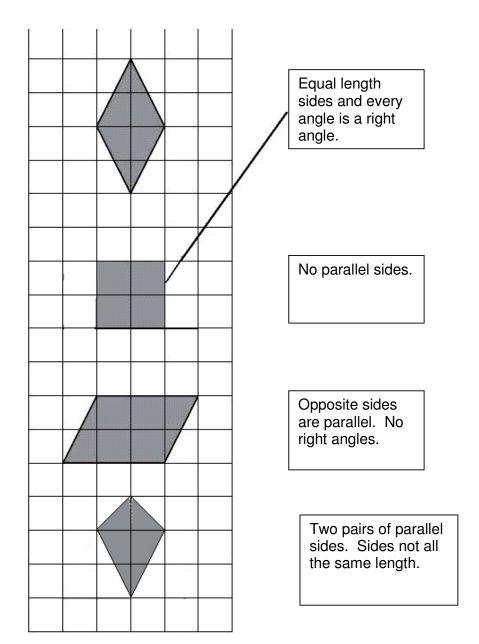
One has been done for you.



16. The population of Tick (✓) the amo			out less than 9800.
756	9		
890	0		
990	0		
981	0		
			1 mark
17. Two children t	ake part in a sp	onsored silend	ce.
0	Sponsored Siler	o	
o	Keep quiet! Make money for the hospital.		
Laura		from 11.20 unt ot £4.52 a min	
Carl	I kept quiet fo minute.	or quarter of a	n hour. I got £2.35 a
How mucl	n money did ead	ch child get?	
	-	Laura	£
		Carl	£

2 marks

18. Match each quadrilateral to the correct description. One has been done for you.



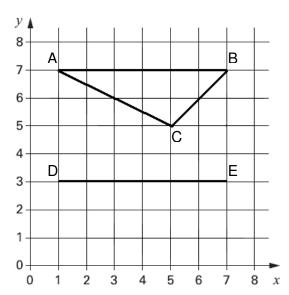
19. Here is a number grid. The shaded numbers are part of a sequence.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35

Explain the rule for the sequence.

 	•••••	
 	•••••	 •••••

20. Patrick has drawn triangle ABC on this grid.

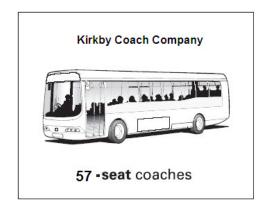


Jordan has started to draw an <u>identical</u> triangle DEF. What will be the coordinates of point F?

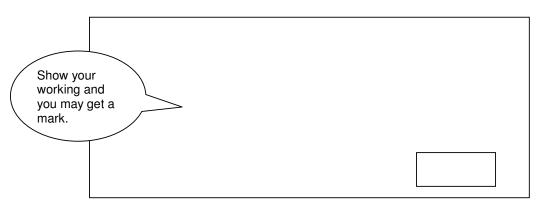
(,)
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1 mark

21.



306 children and 33 adults from Hill School go on a coach trip. How many <u>57-seat</u> coaches does the school need to hire?



2 marks

22. Circle one amount each time to make these sentences correct.

	100cm	
Big Ben's height is approximately:	100m	
	100km	
	3ml	
A mug is likely to contain:	300ml	
	3000ml	

23. Jack, Jacob and Nathan collect picture cards.

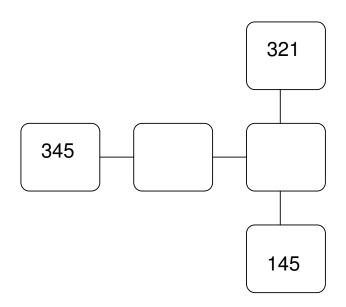
Cards are worth either 50 points or 100 points.

The table shows the cards they have.

	50 points	100 points	Total number of points
Jack	4	3	500
Jacob	7		650
Nathan	3	4	

1 mark

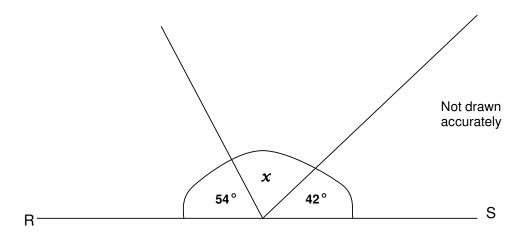
24. The three numbers on <u>each line</u> add up to <u>674.</u>
Write in the missing numbers.



1 mark

25.
$$\frac{1}{5}$$
 of 435 =

26. RS is a straight line.



Calculate the size of angle x.

Do not use a protractor (angle measurer).

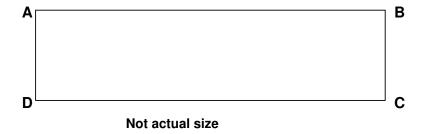


1 mark

27. Circle the two fractions which are equivalent to 0.8

 $\frac{1}{8}$ $\frac{8}{10}$ $\frac{80}{100}$ $\frac{1}{80}$

28. Rectangle **ABCD** has a perimeter of <u>40 centimetres</u>. Sides AB and DC are <u>3 times as long</u> as sides AD and BC.

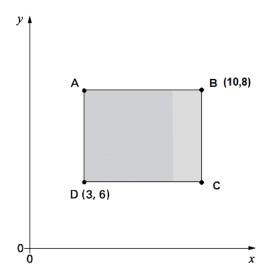


Calculate the length of side **AD**. Do <u>not</u> use a ruler.

1 mark

29. Write in the missing number

30. Here is a shaded square.



Write the coordinates for point C.

1 mark

31. Here are the ingredients for flapjacks.

Flapjacks 120g butter 100g sugar 4 tablespoons syrup 250g oats

Martha makes flapjacks using 1000g of oats.

What weight of **butter** should she use?

