

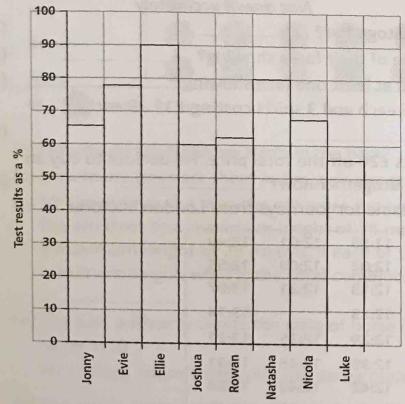
1 The chart shows the distances, in kilometres, between some French cities.

	Ollon					
-	194	40°				
	503	313	Marseille			
	639	685	985	Wantes		
	315	466	775	385	Pairs	
	622	740	1050	110	353	Remes

- (a) Pierre wants to travel from Lyon to Rennes. How far is this? ______ (1)
- (b) What is the distance between Nantes and the next closest city. ______ (1)
- (c) What is the difference in the distance between Marseille and Rennes and Marseille and Paris? _____

(3) O minutes at

- 2 Freddie ran for 3 hours at an average speed of 12 km/h and for a further 20 minutes at 9 km/h.
 - (a) What total distance did Freddie cover? ______(3)
 - (b) What was Freddie's average speed for his run? ______ (3)
- 3 The chart shows some test results from a class spelling test.



	(a) What was the a	verage D	ercentag	e score ir	the test	t?	THE PERSON NAMED IN	(2)
	(b) The test contain	ed 50 sr	ellings. H	low man	y more s	spellings did N	latasha get	1
	right than Luke?	San						(3)
	(c) What is the rang	e of spe	lling sco	res for th	ese eigh	t children?		(2)
4	Jensen's car travels	9km on	a litre of	fuel.				,-,
	(a) How much fuel				of 450 k	m?		(1)
	(b) Fuel costs £1.10	per litre	How m	uch will	the fuel f	for this journe	y cost?	(,)
	(b) ruel costs 21.10	per titre	. 11000 111	do la thi				(1)
5	A cube with sides of	of 5 cm is	s made u	p of 1 cr	n cubes.			,,,
			///	7	1			
		//	//					
	//	//		1/				
	///	//	//	IXI.	100 00 C			
				11/	acit co			
			1/	1/				
				XX				
	5 cm			X				
	Mineral and tell man			1/				
	Con man com			5 cm				
			1	esb e re				
	5 cm				Not d	rawn accurate	ly	
	(a) How many 1cm							(1)
	(b) How many of th	e cubes	have nor	ne of the	ir faces s	howing?		(2)
	(c) What percentag							(1)
5	Michael buys 7 silk							
	(a) How much is thi							(3)
	(b) If he spends £10			ts £20 of	f the tot	al price. He de	cides to buy an	
	extra tie. How m							(2)
7	Thomas is looking a	at the tr	ain time	table for	journey	s from Londo	n Victoria.	
	London Victoria	10:06	10:34	11:55	12:01	12:48		
	Clapham Junction	10:13	10:41	12:02	12:09	12:55		
	East Croydon	10:28	10:52	12:13	12:21	13:07		
	Purley	10:34		12:23		13:14		
	Redhill	10:41		12:29	12:35	13:21		
	Gatwick	10:55	11:08	12:39	12:45	13:31		
	Three Bridges	10:58	11:11	12:42	12:48	13:34		
	Haywards Heath	11:07	11:20	12:52	12:58	13:43		
	Brighton	11:25	11:38	13:11	13:18	14:01		
1								

(a) How long will it take him to get to from London Victoria to Brighton if he catched the 10:34 train?	s (1)
(b) If Thomas needs to be at Gatwick for 12:30, which train should he catch?	
	(1)
(c) The 11:55 train from London Victoria arrives at Haywards Heath 9 minutes late. At what time does it arrive?	(1)
(d) Gordon arrives at East Croydon station at 12:25 and catches the next train to Brighton. How long after he arrives at East Croydon station does he arrive in	
Brighton? (e) 536 000 passengers arrive in London by train between 07:00 and 10:00 each weekday morning. During the whole day, 981 000 arrive in London by train. How many people arrive in London by train outside of the hours of 07:00 to 10:00?	(1)
Mr Green recorded the types of trees in the park. The pictogram below shows his results.	
Oak P P P	
Ash	
Horse chestnut	
Hazel A A A A A A A A A A A A A A A A A A A	
Yew	
Sycamore	
Hawthorn	
Key: respresents 2 trees	
(a) How many trees are there in the park?	(1)
(b) How many trees are there in the park altogether? (c) Mr Green finds out that the oak trees grow to a maximum height of 40 metres,	(2)
the ash trees to a maximum height of 35 metres and the horse chestnut trees to a maximum height of 28 metres. If each of these trees in the park grows to its maximum height, what is the total combined height of these trees, in metres?	
(d) The and such site of the action of house the state of the second state of the seco	(4)
(d) The park authority wants the ratio of horse chestnut trees to other trees in the part to be 1:10	ark
How many more trees will need to be planted?	(2)
(e) In a storm, for every 2 trees blown down, 3 are left standing. How many trees are	
left standing?	(2)

	6	6	8	4	3	9	5	4	0	2	7
	6	5	3	5	7	6	5	8	9	3	6
Com	plete th	ne tally	chart l	below.			Cophac	d ma	th desired ?		
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	(a) What are the co-ordinates of the vertices of the large rectangular paving stone	
	shown?	(1)
	(
	(b) Percy wants to lay three more paving stones in his garden. He works out the position of the next paving stone by reflecting the original paving stone in the dashed line labelled 'A'. Mark the position of this stone on the co-ordinate grid.(c) To find the position of the other two paving stones, reflect both the existing paving stones in the dashed line labelled 'B'. Mark the position of the two new stones on	(1) ng
	1 ordinato grid	(2)
2	Andrew is thinking of a number, x . When he multiplies x by 9 and then halves the result, the answer is 27	(-)
	What is Andrew's number, x?	(2)
13	Monty plants 25 rows of potatoes with 48 potato plants in each row.	
	(a) How many potato plants is this altogether?	(1)
	(b) If each plant produces 2 kg of potatoes, what is the total mass of potatoes from	6
		(1)
14	Mr Wicker and his family travelled 3936 km across the USA from Los Angeles to New York. The journey took 24 days and they travelled for 8 hours each day. How far, on	
		(2)
15	Look at the pattern below.	
	Pattern 1 2 3	
	Pattern 1 uses 3 straws, pattern 2 uses 5 straws,	
	How many straws would be needed to make the 9th pattern in the	
	sequence?	(2)
16	Look at the triangle on the grid.	
	8	
	7	
	6	
	5	
	4	
	3	
	1-	
	O 1 2 3 4 5 6 7 8	
	The original triangle is translated three squares to the right and one square upwards. Mark the position of the resulting triangle on the grid.	(1)
R	ecord your results and move	111
101	n to the next ages.	100

on to the next paper