/rite your name here Surname	Other	names
childsguideto.com CSE Practice	Centre Number	Candidate Number
Mathema	atics	
		oundation Tier
Time: 55 minutes		oundation Tier Paper Reference 1MA1/1F

## **Instructions**

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer **all** guestions.
- Answer the questions in the spaces provided - there may be more space than you need.
- You must show all your working.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- Calculators may not be used.

## Information

- The total mark for this paper is 58
- The marks for **each** question are shown in brackets
- use this as a guide as to how much time to spend on each question. **Advice**

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



There are 1	o pupilo .							
92 of the p	upils are gi	irls.						
In Reception	on, there ar	e 41 pupils of	which 19 are b	oys.				
In Year 1,	1, there are 53 students.							
There are 4	nere are 40 girls in Year 2.							
		o-way table be	elow.					
		Reception	Year 1	Year 2	Tot	al		
	Boys	19						
	Girls			40	92			
	Total	41	53		150	)		
		<u> </u>		1				
		osen at randon	n. the pupil is a g	irl from Year 2				
W	hat is the p	robability that						
W	hat is the p	robability that	the pupil is a g					
There are 2	hat is the page 233 pupils are l	robability that attending St Pa	the pupil is a g	 nool.				
There are 2 133 of the In Year 3,	233 pupils a pupils are there are 59	attending St Pa boys. 9 pupils of wh	the pupil is a g	 nool.				
There are 2 133 of the In Year 3, In Year 5,	233 pupils a pupils are there are 6.5	attending St Pa boys. 9 pupils of wh	the pupil is a gaul's Junior Scluich 31 are boys which 21 are gir	 nool.				
There are 2 133 of the 3 In Year 3, There are 3	233 pupils a pupils are there are 634 boys and	attending St Pa boys. 9 pupils of wh 3 students of v	the pupil is a gaul's Junior Schich 31 are boys which 21 are girear 6.	 nool.				
There are 2 133 of the 3 In Year 3, There are 3	233 pupils a pupils are there are 634 boys and	attending St Pa boys. 9 pupils of wh 3 students of v 1 28 girls in Y 5-way table be	aul's Junior Scluich 31 are boys which 21 are ginear 6.	nool.  :ls.	ear 6	Total		
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(1)

In a secondary school, Key Stage 3 consists of Year 7, Year 8 and Year 9.	
Billingsbrook Secondary School has 761 students in Key Stage 3, of which 367 are boys.	
261 students are in Year 7 and of these, 124 are boys.	
There are 117 girls and 112 boys in Year 9.	
a Draw a two-way table to show this information.	
	(4)
b Using a calculator, what percentage of the school are girls in Year 8?	
Write down the calculation you perform and give your answer to two decimal pla	ices.
White the second and California Was Change 2 which are second at the second	(3)
c Write down the number of girls in Key Stage 3, giving your answer to two significants.	icant
	(1)
d What is the median average of girls in each year group?	
	(1)

Q3

Q4		nitecliffe School, 752 Key Stage 4 children could take one of three modern language as: French, German or Spanish.
	Of the	380 Year 10 students, 137 took French and 92 took German.
	The m	ost popular subject was Spanish with a total of 299 students taking it.
	Ninety	y of the Year 11 students studied German.
	a	Draw a two-way table to show this information.
		(4)
	b	What fraction of Year 11 students studied Spanish?
	U	what fraction of Teal 11 students studied Spainsh:
		(2)
		(2) What represents as of the total reversion of students studying French and Correct years in
	С	What percentage of the total number of students studying French and German were in Year 11?
		(2)

Q5		condary school, children entering Year 10 had to choose whether they were going to istory or geography.	,
		end of the two year course, the Headteacher looked at who had studied each of these s and looked at the number of GCSEs they had passed.	3
	Forty-e	eight people had taken history and of these, 23 secured 5 GCSE passes.	
		97 students in the year group, 35 gained 4 GCSE passes. Eighteen of these students ten geography.	;
	Twelve	e of the geography students gained three GCSEs at passing grades.	
	a	In total, how many students gained five GCSE passes?	
			(4)
	b	What percentage of the children gained either 4 or 5 GCSE passes?	(+)

Q6 At an after-school revision club, 34 students were offered pizza to entice them to attend.

The students were offered Hawaiian, Meat Feast or Margaritta pizzas.

Of the 17 that chose Meat Feast, 6 of them were female.

The total number of students choosing Hawaiian was the same as the male students who chose Meat Feast.

a Draw a two-way table showing this information.

(3)

The cost of each of these pizzas is shown in the table below.

The school ordered a whole pizza for each person attending the revision club.

Pizza	Cost
Hawaiian Pizza	£11.45
Margaritta	£9.80
Meat Feast	£12.65

b How much was the total bill for the pizzas?

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A lar	ge company employed 287 workers.
Ninet	ry-two male workers drove to work in their cars.
Ninet	een female workers travelled to work on a bus.
Of the	e 23 workers that cycled to work, 7 of them were female.
Only	21 people were able to travel to work by railway train, of which 9 were male.
a	Draw a two-way table of this information.
	(4)
b	What percentage of all workers travelled to work by car?
	company had made arrangements for their workers to park in a car park for £7.50 per Each worker worked for 300 days per year.
c	How much money would the car park get from the people using their cars in total for
	the year?
	(4)

**Q**7

**Q8** A local library has three sections of books: Fiction, Non-fiction and Reference.

They looked at the different number of books used by borrowers each week for a month and totalled the numbers up.

Male borrowers used or borrowed 735 books. Of these, 35 were reference books which could only be used in the library.

Overall, 73 reference books which were read could only be used in the library whereas the 877 fiction and 454 non-fiction books could be taken home by borrowers for up to 4 weeks.

Female borrowers borrowed 497 fiction books.

a Draw a two-way table of this information in the space below.

(4)

b Which type of books had the greatest proportion of male readers. Give the percentage of books borrowed by male readers for each type of book.