

Write your name here

Surname

Other names

In the style of:

**Edexcel GCSE**

Centre Number

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Candidate Number

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# Mathematics A

## Frequency

**Foundation Tier**

Past Paper Style Questions  
Arranged by Topic

Paper Reference

**1MA0/2F**

**You must have:** Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used.

Total Marks

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### 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** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- **Calculators may be used.**



### Information

- The total mark for this paper is 100
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed.

### 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.

Turn over ►



1 (a) Basil records the types of fish that he caught during his holiday in The Bahamas.

(i) Complete the table.

Type of fish	Tally	Frequency
Mutton Fish	IIII	4
Grouper	III	3
Jack	<del>HHI</del> <del>HHI</del> II	12
Schoolmaster	<del>HHI</del> IIII	9
	<b>Total</b>	28

(3)

(ii) What fraction of the fish are Mutton Fish?  
Give your answer in its simplest form.

$$\frac{4}{28} = \frac{1}{7}$$

$$\frac{1}{7}$$











(2)

(b) This table shows the types of fish that Peter caught during the holiday.

Type of fish	Mutton Fish	Grouper	Jack	Schoolmaster
Frequency	4	6	5	3

She has finished the first row of a pictogram to show the results. Complete the key and pictogram.

Key:  represents .....2..... fish

Mutton Fish	 
Grouper	  
Jack	  
Schoolmaster	 

(4)



- (c) 500 000 people record the types of birds in their gardens. In total, they record eight million birds.  
On average, how many birds does each person record?

$$\frac{8,000,000}{500,000} = \frac{80}{5} = 16$$

16

(3)

- (d) Here is a list of the birds at a bird table.

robin                  robin                  sparrow                  blackbird                  starling  
blackbird                  starling                  blackbird                  robin                  blackbird

One bird flies away.  
Another bird arrives at the bird table.  
The new mode is robin.

What type of bird flies away and what type of bird arrives? Complete the table.

	Type of bird
Flies away	Blackbird
Arrives	Robin

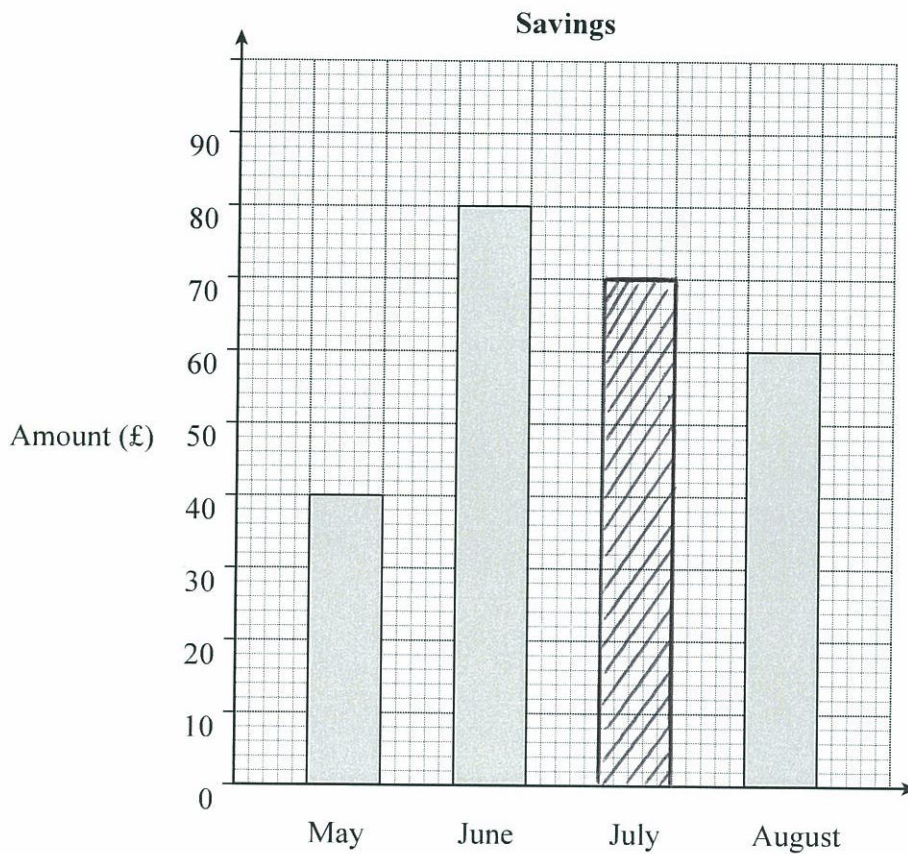
(2)

(Total 14 marks)



2 (a)

The bar chart shows the amounts Isaac saves in May, June and August 2010.



(i) Hc

.....  
(1)

(ii) From May to August he saves £250 in total.

Complete the bar chart by drawing the bar for July.

$$250 - (40 + 80 + 60)$$
$$= 250 - 180 = £70$$

(3)

