

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

Fractions

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

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 ►

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1. David earns a salary of £3500 per month.

He gets a pay rise of 4%.

Work out his new monthly salary.

$$\begin{aligned} & 3500 + 4\% \text{ of } 3500 \\ &= 3500 + (0.04 \times 3500) \\ &= 3500 + 140 \\ &= \text{£}3,640.00 \end{aligned}$$

Alternatively, to increase £3,640
a given amount by 4%, multiply (3)
by 1.04, i.e. $3500 \times 1.04 = \text{£}3,640$



2(a)

Helen wins a race.

Her time is recorded as 50.36 seconds. Andrew comes second in the race.

His time is three-hundredths of a second slower.

Work out Andrew's time.

$$50.36 + 0.03 = 50.39 \text{ seconds}$$

(2)

(b)

Round Michael's time of 50.36 seconds to 1 decimal place.

$$50.36 = 50.4 \text{ seconds (1 d.p.)}$$

(1)

(Total 6 marks)



3. Write a number in each box to make correct statements.

(a) $50\% = \frac{\boxed{1}}{2}$

(1)

(b) $0.3 = \frac{\boxed{3}}{10}$

(1)

(c) $1 = \frac{\boxed{3}}{3}$

$\frac{3}{3} = \frac{9}{9}$

(1)

(d) $\frac{3}{15} = \frac{\boxed{1}}{5}$

(1)

Total 4 marks)



4. Two banks calculate the yearly interest they pay customers.

Westminster Bank

4% of the total that you invest

For example: Invest £700

Interest = 4% of £700

District Bank

1% of the first £300 that you invest 6% of
amounts over £300 that you invest

For example: Invest £700 Interest
= 1% of £300 + 6% of £400

Ashna has £500 to invest for one year.

Work out which bank will pay her more interest.

State how much **extra** interest she will earn.

Westminster

$$4\% \text{ of } 500 = 0.04 \times 500 = \text{£}20$$

District

$$(0.01 \times 300) + 0.06(500 - 300) \\ = \text{£}15$$

Bank Westminster.....

Extra Interest £ 5.....

(5)



5

There are 180 people at a wedding. 20% are children.
One-half are men. The rest are women.

How many women are at the wedding?

$$\frac{1}{2} = 50\%$$

$$50\% + 20\% = 70\% \Rightarrow 30\% \text{ are women.}$$

$$30\% \text{ of } 180 = 54$$

Answer 54.....

(4)

