

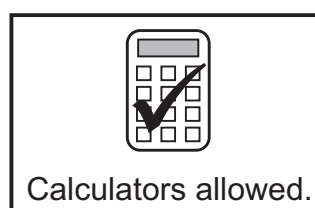
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|---------------|--|--|--|--|--|---------------|--|--|--|--|--|
| Surname       |  |  |  |  |  | Initial(s)    |  |  |  |  |  |
| Centre Number |  |  |  |  |  | Candidate No. |  |  |  |  |  |

**General Certificate of Secondary Education  
MATHEMATICS Foundation Tier**

**Time:** 1 hour 30 minutes

**Materials required for examination**

- Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator.
- Tracing paper may be used.
- A formula sheet can be found on the inside back cover or downloaded from [www.brookworth.co.uk](http://www.brookworth.co.uk).



**Instructions to candidates**

- In the boxes above, write your surname, initial(s), centre number and candidate number.
- Answer ALL the questions in the spaces provided in this question paper.
- Write your answers in blue or black ink. Draw diagrams in pencil.

**Information for candidates**

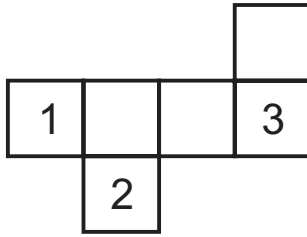
- There are 100 marks in total for this paper.
- You may use a calculator.
- If your calculator does not have a  $\pi$  button, use  $\pi = 3.142$  unless otherwise instructed in the question.

**Advice for candidates**

- Read each question carefully. Make sure you know what to do before you start to answer the question.
- Show your working. You may get marks for this even if the final answer is wrong.
- Do not spend too long on one question.
- If you cannot answer a question, leave it and attempt the next one. If you have time, you can return to those you left out at the end.

| Marks for Exam 1 Paper 2 |      |
|--------------------------|------|
| Pages                    | Mark |
| 18–19                    |      |
| 20–21                    |      |
| 22–23                    |      |
| 24–25                    |      |
| 26–27                    |      |
| 28–29                    |      |
| 30                       |      |
| <b>Total</b>             |      |

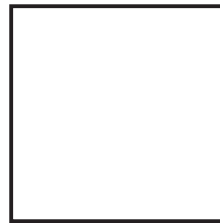
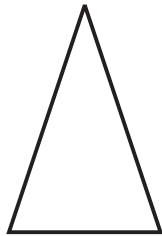
- 1 The numbers on the opposite sides of a dice add up to 7.  
The diagram below is a net of a dice.



Show on the net where the numbers 4, 5 and 6 should go.

(2 marks)

- 2 Here is an isosceles triangle and a square.  
Draw all the lines of symmetry on each shape.



(2 marks)

- 3 Simone had her gas meter read on 27 August. The reading was 11 686.  
On 25 November another reading was taken as 15 628.

- (a) How many units had Simone used between 27 August and 25 November?

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Answer ..... units (2 marks)

- (b) A unit of gas costs 1.4p.  
How much will Simone have to pay for her gas?

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Answer £ ..... (2 marks)