

FOR OFFICIAL USE

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F

KU

RE

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Total Marks

2500/401

NATIONAL
QUALIFICATIONS
2008

THURSDAY, 8 MAY
9.00 AM – 9.20 AM

MATHEMATICS
STANDARD GRADE
Foundation Level
Paper 1
Non-calculator

Fill in these boxes and read what is printed below.

Full name of centre

--

Town

--

Forename(s)

--

Surname

--

Date of birth

Day Month Year

--	--	--	--	--	--	--	--

Scottish candidate number

--	--	--	--	--	--	--	--	--	--

Number of seat

--

- 1 You may **NOT** use a calculator.
- 2 Answer as many questions as you can.
- 3 Write your working and answers in the spaces provided. Additional space is provided at the end of this question-answer book for use if required. If you use this space, write clearly the number of the question involved.
- 4 Full credit will be given only where the solution contains appropriate working.
- 5 Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.



Marks

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1. Work out the answers to the following.

(a) $683 - 142$

WORKING

ANSWER

1

(b) $\frac{1}{6}$ of 84

WORKING

ANSWER

2

(c) 25% of £76

WORKING

ANSWER

 $\mathcal{L}$

2

[illegible]

- | | Monday | Tuesday | Wednesday | Thursday | Friday |
|--------|--------|---------|-----------|----------|--------|
| Claire | ✓ | ✓ | ✓ | | ✓ |
| Brian | ✓ | ✓ | | ✓ | ✓ |
| Morgan | | ✓ | ✓ | ✓ | ✓ |

- | | |
|--------|--|
| ANSWER | |
|--------|--|

- On which days will Fred work?

ANSWER	
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[illegible]

-
- A black and white line drawing of a modern high-speed train, possibly a Shinkansen, shown from a side profile as it moves along tracks. The train has a sleek, aerodynamic nose and multiple windows along its side.

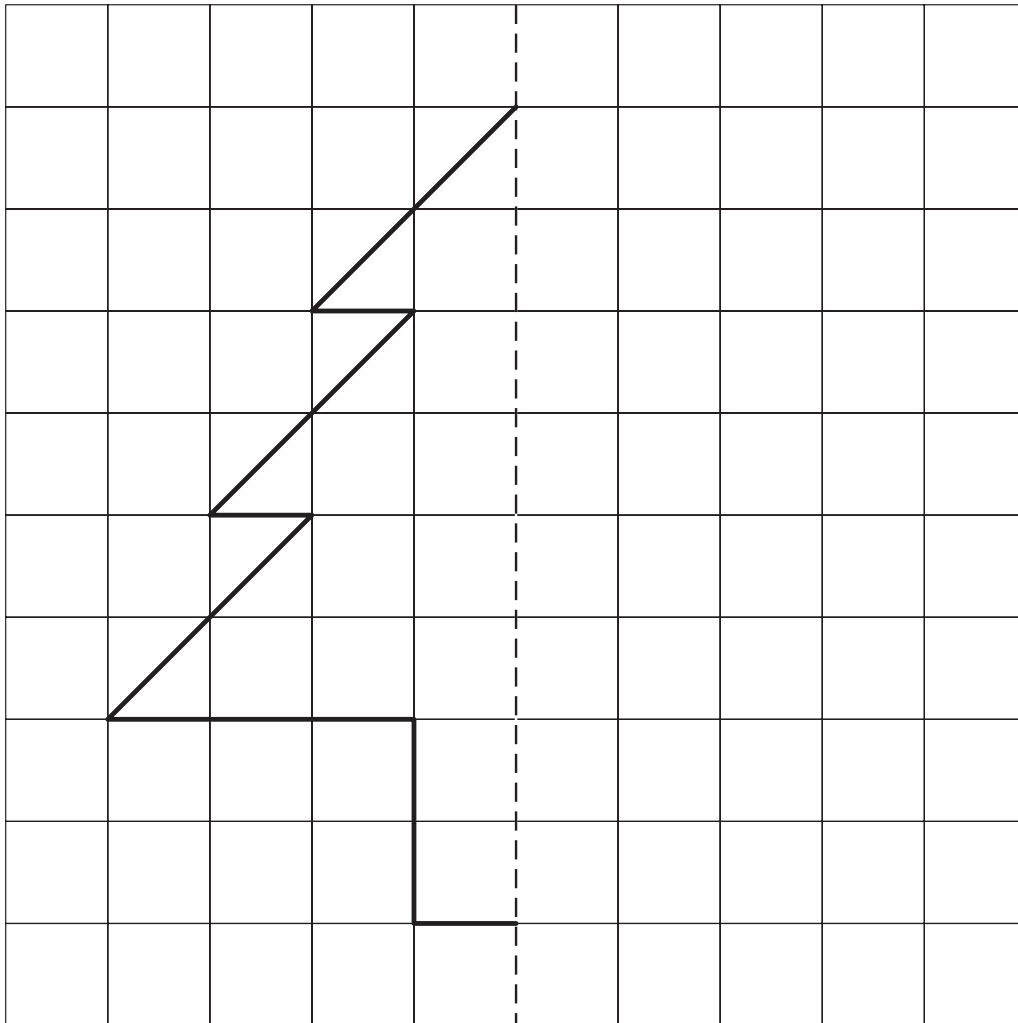
2

Marks

KU

RE

4. The broken line is an axis of symmetry.
Complete the diagram.



4

Marks

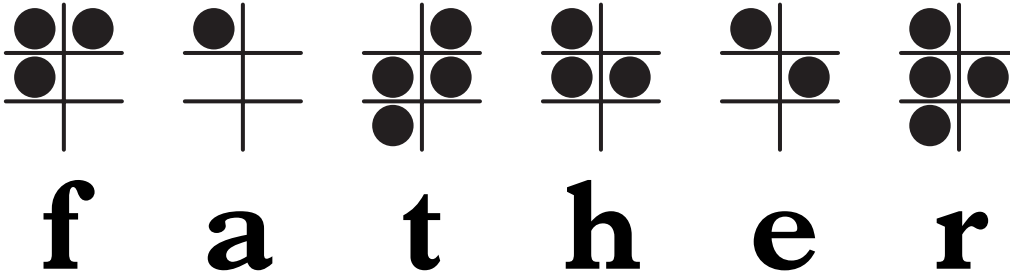
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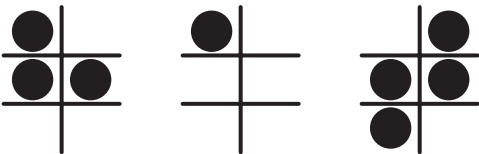
5. Blind people can read using Braille.

In Braille, letters are represented by patterns of raised dots.

The word **father** is shown below in Braille.



Another word is shown below in Braille.



What is this word?

WORKING

ANSWER

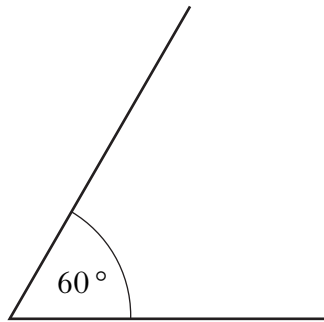
3

Marks

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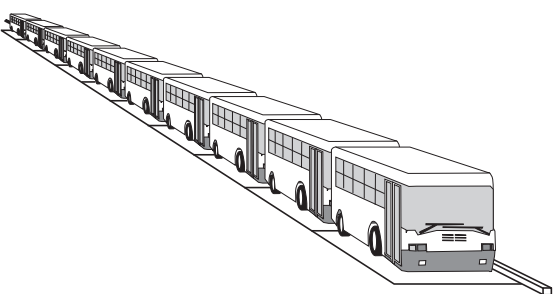
6. The angle shown in the diagram below is 60° .



Use a protractor to draw an angle of 80° in the box below.

1

7. A street has a row of 10 parking spaces for coaches.
- Each parking space is 13·8 metres long.
- Find the total length of all 10 parking spaces.



WORKING	
ANSWER	metres

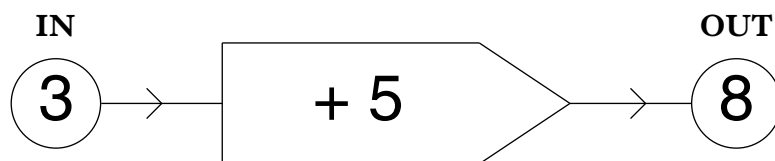
Marks	KU	RE
2		

Marks

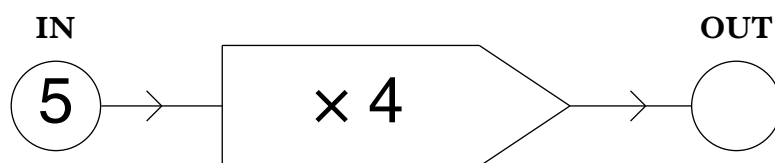
KU

RE

8. This is a number machine. A number goes into the machine and the answer comes out.



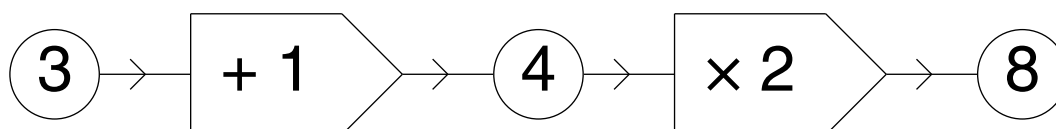
(a) Here is a different number machine. Complete this number machine.



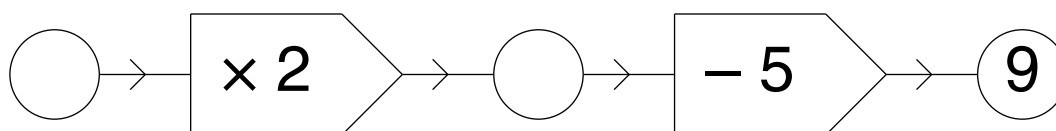
WORKING

1

(b) Number machines can be put together as shown below.



Complete the number machine below.



WORKING

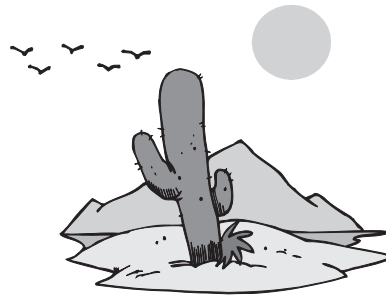
2

Marks

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9. In Texas one summer, there was a heatwave. The temperature stayed above 32° Celsius for 22 days in a row.



The **first** day of this heatwave was 15 July.
On which date did the heatwave end?

WORKING

ANSWER

2

[END OF QUESTION PAPER]

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