SAMPLE PAPER 1
Level 2 Functional Skills Mathematics

Duration: 25 minutes
Total marks: 15

SECTION 1 – CALCULATOR NOT PERMITTED
VERSION 1.0

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

***I declare that I had no prior knowledge of the questions in this assessment and that I will not share information about the questions.**

You should have the following for this assessment:

- a pen with black or blue ink
- a pencil (for diagrams, graphs and charts only)
- an eraser
- a 30cm ruler.

You must NOT use a protractor.
You must NOT use a calculator for Section 1.

General instructions

- Read through each question carefully.
- Write all your answers in this booklet.
- Check your calculations and check that your answers make sense.

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SECTION 1 – CALCULATOR NOT PERMITTED

There are **15** marks available in this section.

You should check all your work as you go along.

You must **not** use a calculator in this section.

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Q1

What is $\frac{2}{3}$ as a percentage? Give your answer rounded to two decimal places.

_____**%**

(1 mark)

Q2

What is 14% of 200?

_____

(1 mark)

Q3

$2\frac{1}{2} + 3\frac{3}{4} =$

(*tick one box)*

A $5\frac{1}{4}$ ☐

B $5\frac{4}{6}$ ☐

C $6\frac{1}{4}$ ☐

D $6\frac{4}{6}$ ☐

(1 mark)

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Q4

What is 75 as a fraction of 125? Give your answer in its simplest form.

$\frac{\square}{\square}$

(1 mark)

Q5

$\frac{1}{2} - \frac{2}{7} =$

Give your answer in its simplest form.

$\frac{\square}{\square}$

(1 mark)

Q6

$(8 + 2 \times 6)^2 =$

_____

(1 mark)

Q7

What is the value of $3ab$ when a = 5 and b = 6?

_____

(1 mark)

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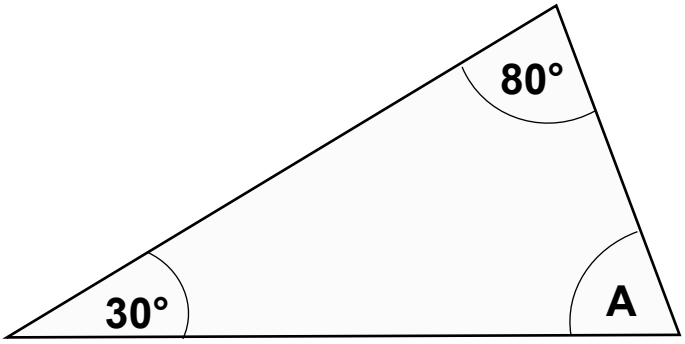
Q8



Calculate the size of angle A.

_____ °

(1 mark)

Q9

900 + 1500 ÷ 300 =

_____

(1 mark)

Q10

147.206 – 95.438 =

_____

(1 mark)

Q11 A car can travel 480 miles on a full tank of petrol. The tank holds 60 litres.
The fuel gauge shows there are 15 litres left in the tank.

How many more miles can the car travel before it runs out of petrol?

_____ **miles**

(1 mark)

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Q12 The probability that a salesperson will get an order from a visit to a customer is $\frac{1}{4}$

She has 2 visits tomorrow.

What is the probability that she will get orders from **both** visits tomorrow?

Give your answer as a fraction in its simplest form.

$\frac{\square}{\square}$

(1 mark)

Q13 This table shows the change in the number of employees in different departments of a company compared to last year.

Department	Change compared to last year
Admin	-1
Design	0
Production	+4
Packing	+2
Warehouse	-1
Marketing	-3

What is the **total** change in the number of employees compared to last year?

(*tick one box)*

A 1 fewer ☐

B 1 more ☐

C 11 fewer ☐

D 11 more ☐

(1 mark)

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Q14 A manager wants to give a pay rise to everyone who is paid less than the average salary.
This table shows the annual salaries of the employees in the company.

Employee	Salary (in £ thousands)
AJ	16
TM	23
WF	23
SW	22
MT	15.5
RD	18.5
JR	20
LS	23
PB	36

Tick all of the employees who are paid less than the median salary.

(1 mark)

Q15
The distance between two villages on a map measures 6 centimetres.

The map has a scale 1:25 000

What is the actual distance between the two villages in **kilometres**?

_____ **km**

(1 mark)

End of Section 1.
When you have finished you MUST hand this booklet in
to the invigilator before you pick up your calculator to start Section 2.

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