H Highfield
Qualifications®

Paper Code: FSQN108P

MOCK Highfield Functional Skills Qualification in Mathematics at Level 1

Level 1

Information for centres and learners

- **Learners taking this examination must also complete papercode FSQC108P.**
- **Only remove the examination paper from the sealed envelope when instructed to do so.**
- **Under no circumstances should you use an unsealed examination paper.**
- Complete **ALL** questions.
- Use **BLACK** or **BLUE** ink.
- You are **NOT** allowed any assistance to complete the answers. You are **NOT** allowed to use a **CALCULATOR**.
- Marks are awarded for **SHOWING** your **WORKING OUT**.
- Use a **PENCIL**, **ERASER**, **RULER** and **PROTRACTOR** (as necessary) when drawing diagrams and charts.
- **SIGN** the declaration before leaving.

The duration of this examination is **40 MINUTES**. The examination consists of **9 QUESTIONS** and is worth **15 MARKS**.

Complete the following

First Name *(in full)*

Middle initial

Last Name

Date of Birth *(8 digits)*

D D   M M   Y Y Y Y

Highfield Learner ID

Approved Centre Number *(5 digits)*

Nominated Tutor Number *(5 digits)*

Examination Date *(8 digits)*

D D   M M   Y Y Y Y

Is this a resit examination?   YES   NO

Examination Start Time *(24 hour clock)*

H H   M M

Examination Finish Time *(24 hour clock)*

H H   M M

Non-calculator Test

Learner declaration

Learner signature: ....

I confirm:
- I removed the examination paper from the sealed envelope.
- I received no help in answering the questions in this examination paper.
- I am the person stated above on this form.
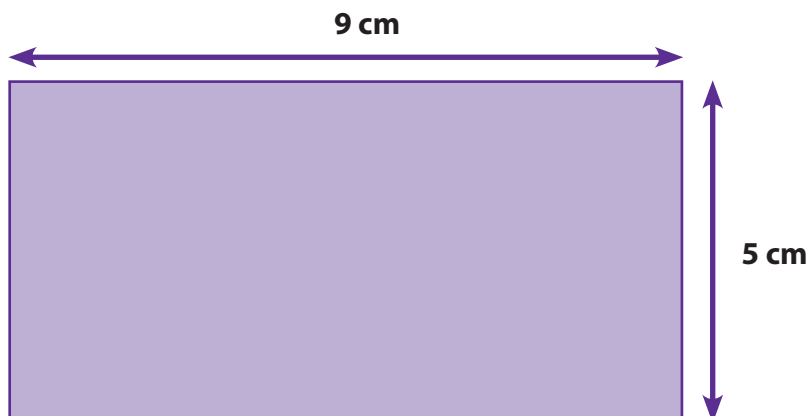- I will not discuss the content of the examination with anyone else.

We listen and respond

1

Calculate the area of this shape.

9 cm

5 cm

Write the answer in the box below.

(1 mark)

Answer: _____cm²

2

24 people took part in a quiz.

These are their scores.

7	14	9	16	13	9
8	10	14	7	18	19
16	12	5	17	3	4
15	12	15	6	18	6

Complete the frequency table with the two missing values.

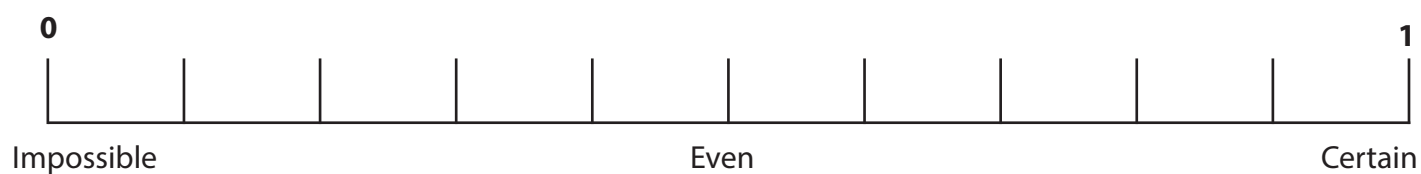| Score	Frequency
0 – 5	
6 – 10	8
11 – 15	
16 – 20	6

(1 mark)

3

Bruce has 20 t-shirts.

One fifth of them are white.

Bruce chooses one at random.

Draw an arrow on this scale to show the probability that Bruce picks a t-shirt that is NOT white.

0   1

| | | | | | | | | | |

Impossible   Even   Certain

(1 mark)

4

Use 6 × 8 = 48 to calculate the answer to 480 ÷ 80

Write the answer in the box below.

(1 mark)

Answer: _____

Scenario A
Charity spending

5

A charity raises £79,755 in a year.

Approximately one quarter of this is spent on staff wages.

<u>Estimate</u> the amount of money spent on wages.

Show your working out and write the answer in the box below.

(2 marks)

Answer: £_____

6

Exactly 5% of the £79,755 is spent on advertising.

Calculate the amount of money spent on advertising.

Show your working out and write the answer in the box below.

(2 marks)

Answer: £_____

7

The table below shows the total spending of the charity in the last year.

Area spent	Proportion
Wages	24.15%
Fund raising	11.35%
Advertising	5%
Other	17.55%
Overheads	

Calculate the proportion of money spent on overheads.

Show your working out and write the answer in the box below.

(2 marks)

Answer: _____ %

Scenario B
A race

8

Billy and Diana enter a race.

Diana wins the race and Billy comes last.

Diana completes the race in 46 seconds; Billy takes 2 minutes 35 seconds.

What is the range of the times?

Show your working out and write the answer in the box below.

(2 marks)

Answer: _____

9

Diana wins a prize of £95.50

Diana and Billy share the prize in the ratio 4:1

How much do they each get?

Show your working out and write the answer in the box below.

(3 marks)

Answer: Diana £ _____ Billy £ _____

END OF ASSESSMENT

END OF ASSESSMENT

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For official use only:

	1	2	3	4	5	6	7	8	9	TOTAL
Mark(s) available	1	1	1	1	2	2	2	2	3	15
Marker										
2nd line marker										

Marker:		2nd line marker:	
Date:		Date:	

Level 1
Mathematics

We listen and respond