

Paper Code: FSQN209P

MOCK Highfield Functional Skills Qualification in Mathematics at Level 2



Information for centres and learners

- Learners taking this examination must also complete papercode FSQC209P.
- 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.

C------

- 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 **7 QUESTIONS** and is worth **17 MARKS**.

Complete the fol	liowing
First Name (in full)	Middle initial
ast Name	
Date of Birth 8 digits)	
lighfield .earner ID	
Approved Centre Number (5 digits)	Nominated Tutor Number (5 digits)
xamination Pate (8 digits)	Is this a resit examination?
Examination Start Fime (24 hour clock)	Examination Finish Time (24 hour clock) H H H M M
Learner declarat 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.

Non-calculator Test



1

Calculate:

 $16 + 6^2 \times 4$

16 + 6 ⁻ x 4		
Write the answer in the box below.		(1 mark)
	Answer:	
2		
Calculate:		
15% of 390		
Write the answer in the box below.		(1 mark)
	Answer:	

15



3

5

Calculate the median and the mode of this set of data:

24

Write the answers in the box below.	(2 marks)

40

32

23

Median: _____ Mode: ____

15



			•	-
•	\boldsymbol{c}	na	ric	Δ
_	LE			

Media

4

You work for Highfield Advertising and Promotions. You are sending out new promotional material to customers.

- One third are leaflets
- Two fifths are brochures
- The remainder are catalogues

What	fraction	of the	promotional	materials	are catalogues?

Show your working out and write your answer in the box below.	(3 marks)
Answer: _	



5

You are looking to buy shares in Highfield Advertising and Promotions. Your manager tells you that:

- you will receive 3% interest on the money you invest
- the interest will be applied annually
- the minimum investment time is 3 years

You decide to invest £950 for 3 years.

Calculate the compound interest you will earn a	atter	ี 3	years.
---	-------	-----	--------

Show your working out and write the answer in the box below.	(4 marks)
Answer: £	<u> </u>



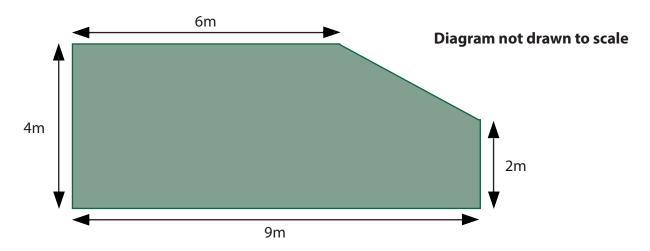
Scenario B

Kennels

6

You have recently rescued two dogs. The dogs need an outside kennel to share.

You see a kennel for sale with the following floor space:



It is recommended that each dog has a floor area of $15\,\mathrm{m}^2$

Is the kennel big enough for your dogs?

			ne answer		

(4 marks)

Answer:



7

Your friend, Joanne, volunteers at the kennels.

There are 12 volunteers in total. Only 8 volunteers are needed per day and they are chosen at random.

The kennels are split into small dogs and large dogs. There are 25 small dogs and 11 large dogs.

Volunteers who are working are allocated a dog at random to walk.

On any given day, what is the probability of your friend	Joanne working and being allocated a large
dog?	

Give your answer as a fraction.

Show your working out and write the answer in the box below.	(2 marks)
Answer:	

END OF ASSESSMENT

We listen and respond



For official use only:

	1	2	3	4	5	6	7	TOTAL
Mark(s) available	1	1	2	3	4	4	2	17
Marker								
Moderator								

Marker:]	Moderator:	
Date:		Date:	





Highfield Qualifications

Highfield ICON
First Point
Balby Carr Bank
Doncaster
South Yorkshire
DN4 5JQ
United Kingdom

01302 363277 info@highfield.co.uk www.highfieldqualifications.com

We listen and respond