

Paper Code: FSQN208P

MOCK Highfield Functional Skills Qualification in Mathematics at Level 2



Information for centres and learners

- Learners taking this examination must also complete papercode FSQC208P.
- 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 **7 QUESTIONS** and is worth **17 MARKS**.

Complete the fol	owing			
First Name in full)	Middl initia			
ast Name				
Pate of Birth 3 digits)				
lighfield .earner ID				
Approved Centre Number (5 digits)	Nominated Tutor Number (5 digits)			
examination Date (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 declaration 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. Learner signature: I will not discuss the content of the examination with anyone else.				

Non-calculator Tes



1

Which of these numbers is equivalent to 73%?

7.3 7300 73 0.73 0.073

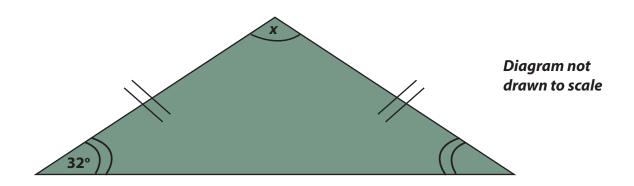
Write the answer in the box below.	(1 mark)
	Answer:
2	
Calculate	.1
1000 ÷ (8 -	+ 2)2
Write the answer in the box below.	(1 mark
	Answer:

We listen and respond



3

Calculate the value of angle x in this isosceles triangle.



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



Scenario A

Highfield Vets

4

You are working for Highfield Vets.

During your first week, Highfield Vets treat 72 cats, 63 dogs, 54 birds and 51 small mammals.

What fraction of the total animals treated are cats?

Give your answer in its simplest form.

Show your working out and write the answer in the box below. (4 marks)

Answer:



On Mondays, Highfield Vets are or	pen from 8am to 8pm.
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On Tuesdays they are open from 8am to 9pm.

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Show your working out and write the answer in the box helow	/:	3 marks)
Show your working out and write the answer in the box below.	(2) IIIUIKS)
Answer:		%
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(2 marks)

Scenario B

Highfield Sweet Shop

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You are helping at Highfield Sweet Shop.

A customer buys a bag of mixed sweets.

The bag contains 21 toffees, 10 mints, 4 jelly beans and 7 caramels.

The customer shakes the bag and picks a sweet at random.

What is the probability that they pick a caramel?

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

Answer:

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7

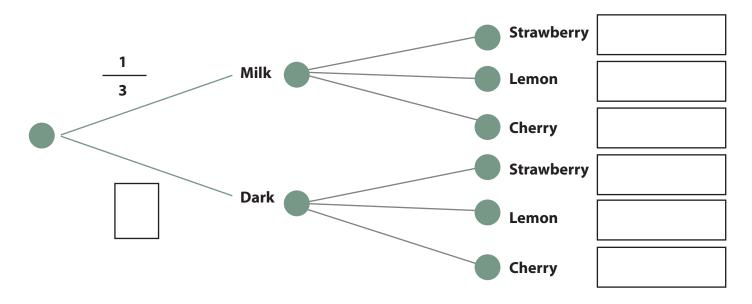
A box contains sweets that are either covered with dark chocolate or milk chocolate.

There are twice as many sweets covered in dark chocolate than there are covered in milk chocolate.

The sweets have different flavoured centres; strawberry, lemon and cherry.

There are an equal number of each flavour.

This diagram shows options of picking each chocolate and the flavour.



Complete the diagram with the probability of each branch.

Use the diagram to find the probability of picking a strawberry flavour sweet with milk chocolate.

Show your working out and write the answer in the box be	low.
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(4 marks)

Answer:	



For official use only:

	1	2	3	4	5	6	7	TOTAL
Mark(s) available	1	1	2	4	3	2	4	17
Marker								
2nd line marker								

Marker:]	2nd line marker:	
Date:		Date:	





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We listen and respond