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Maths Level 2 Maths Level 1

English Level 2 English Level 1



Paper Code: FSQN110P

Highfield Functional Skills Qualification in Mathematics at Level 1

Level

Information for centres and learners

- Learners taking this examination must also complete papercode FSQC110P.
- 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 fol	lowing		
First Name (in full)			Middle Initial
Last Name			
Date of Birth (8 digits)		M AA	
Highfield Learner ID			
Approved Centre Number (5 digits)			Nominated Tutor Number (5 digits)
Examination Date (8 digits)	D 0	M AS	Is this a resit examination?
Examination Start Time (24 hour clock)	н н	M M	Examination Finish Time (24 hour clock)
Learner declarate	tion		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



Write these fractions in order from smallest to largest.

$$\frac{1}{2}$$
 $\frac{7}{8}$ $\frac{3}{4}$ $\frac{2}{8}$

Write the answer in the box below.

(1 mark)

$$\frac{1}{2} = 0.5$$
 $\frac{7}{8} = 0.875$ $\frac{3}{4} = 0.75$ $\frac{2}{8} = 0.25$

Answer: $\frac{2}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{7}{8}$

Work out the value of 152

Write the answer in the box below.

(1 mark)

$$15^2 = 15 \times 15 = 225$$

225 Answer:

Calculate the value of:

$$8 + 8 \times 8 - 8$$

Write the answer in the box below.

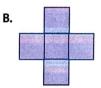
(1 mark)

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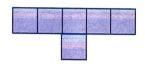
We listen and respond

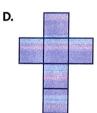
4

Which of these nets can be folded to form a cube?



C.





Write the answer in the box below.

(1 mark)

Answer:



Scenario A

Surfing



You want to buy a new surfboard.

You have found a surfboard that is on special offer.



How much will the surfboard cost after the discount?

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

(3 marks)

$$12\%$$
 discount = 0.88
£ 235.00 × 0.88 = £ 206.80

Answer: £ 206 - 80



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You are preparing to enter a local surfing competition. You know that it will take you:

- · 45 minutes to drive to the competition
- · 11 minutes to put on your wetsuit
- 25 minutes to register for the competition

The competition starts at 1pm.

You start the above activities at 11:30am.

Will you be ready in time for the competition to start at 1pm?

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

(2 marks)

Answer: Yes



Scenario B

Nature reserve

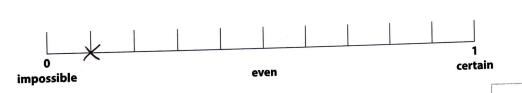


You volunteer at the Highfield Nature Reserve.

There are a total of 10 volunteers at the reserve.

Every day a name is drawn at random to see who will refill the birdfeeders.

On the scale below, mark an 'X' to indicate the probability that you will be drawn to refill the birdfeeders on a single day. (1 mark)



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Last year the reserve received £3,700 in donations.

This year has seen a 15% increase in the amount donated.

How much has been donated this year?

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

(2 marks)

Answer: £ 4255

15 February 2021



You are preparing a presentation on the different types of birds in the reserve.

You display the figures in a chart.

Chart to show number of birds in the reserve

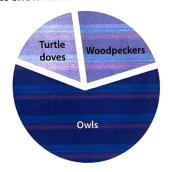


Diagram not to scale

- ____ of birds are woodpeckers
- 70% of the birds are owls
- The remainder of the birds are turtle doves

Calculate the angles to complete the table below.

(3 marks)

Type of bird	Angle in pie chart (°)
Woodpeckers	7-2
Owls	252
Turtle doves	36

$$360 \times \frac{1}{5} = 72^{\circ}$$

$$360 \times 0.7 = 252$$

$$360 \times \frac{1}{5} = 72^{\circ}$$

 $360 \times 0.7 = 252^{\circ}$
 $360 - 72 - 252 = 36^{\circ}$

END OF ASSESSMENT

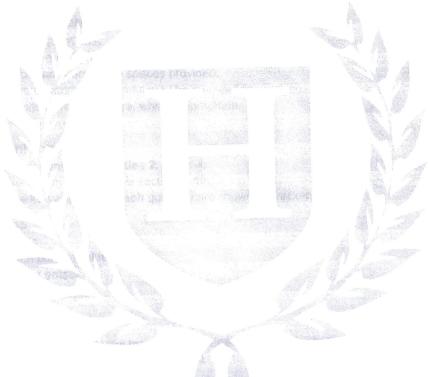


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	193 N 145	2	3	4	5	6	7	8	9	TOTAL
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Mathematics

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We listen and respond