Level 1 Functional Skills Mathematics SAMPLE PAPER 2



Duration: 1 hour 20 minutes

Total marks: 45

SECTION 2 – CALCULATOR PERMITTED

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

Please check that your name is correctly printed on the candidate barcode label. If not, please tell the invigilator before the start of the exam.

You should have the following for this assessment

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

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General instructions

- Read through each question carefully.
- Show your working out (where required).
- Write all your working out and answers in this booklet.
- Check your calculations and check that your answers make sense.
- There are additional pages including graph paper at the back of this booklet if you run out of space or ask the invigilator if you need additional sheets of paper.



SECTION 2 – CALCULATOR PERMITTED

There are 45 marks available in this section.

You should check all your work as you go along.

You may use a calculator.

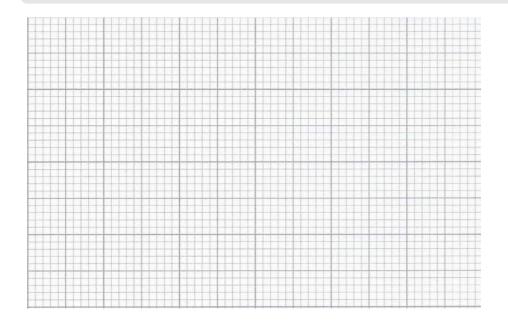


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(1 mark)

Q2

Draw a square with sides of 2cm



(1 mark)

Q3

Write $\frac{33}{8}$ as a mixed number.

(1 mark)

Q4												
V	/hich o	f the fo	ollowin	g lists is	in increas	sing order	from sn	nallest t	o larges	t?		
(tici	k one b	oox)										
Α	52%	53%	50%	55%								
В	50%	52%	53%									
С	55%	52%	53%	50%								
D	50%	53%	52%	55%								
											(1	l mark)
Q5												
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							111.					
А	re they	corre	ct? Exp	olain you	ır answer.							
	are the		ect? (tick one	box) Yes	No No						

(1 mark)

Q7 The formula below can be used to calculate interest on a savings account after year:	· one
amount put into account x interest rate as a decimal	
A woman puts £2 500 into an account. The interest rate is 5%.	
What will be in the account after one year?	
Show your working	
£	 (3 marks
Q8 A taxi company charges £5 standing charge and £1.50 per mile for a journey.	
A man travels in a taxi for 12.2 miles.	
What is the cost of his journey?	
Show your working	
£	(3 marks

ŲЭ	A student receives	two loans. One	e is ioi £9 153	and the other is	101 £8 944.

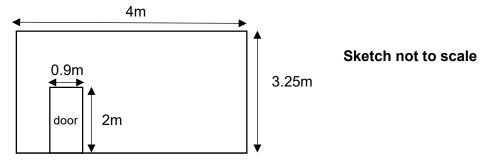
Approximately $\frac{1}{2}$ of the loans will be spent on tuition fees and $\frac{1}{4}$ of the loans will be spent on accommodation.

Estimate the amount of money they will have left.	
Show your working	
	£

(4 marks)

Q10 A decorator is painting a room and has one wall left to paint.

They have enough paint to cover 12m². The dimensions of the wall are shown below:



She will not paint over the door.

Do they have enough paint for the wall?

Explain your answer. Use figures in your answer.

Show your working
Do they have enough paint? (tick one box) Yes No
Explanation

(4 marks)

Q11 A local sports club organises a sponsored walk around the edge of a field.

Scale diagram of the field	50m ←
Field	

Each person will walk round the field 5 times.

How far will each person walk in kilometres?

Show your working	
	km
	KIII

(4 marks)

Under 18s tickets.	
	Ticket Prices
	Adults£18
	Under 18s£12

Q12 A cricket club sells 5,062 tickets for a charity match. 3,484 are Adult tickets and the rest are

85% of ticket sales pay for the event. The rest goes to community projects.

How much does the club give to community projects?

(5 marks)

Q13	A gardener	needs to	buy	compos	t to	fill this	s tub
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The diagram shows the dimensions of the tub

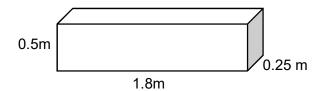


Diagram not to scale

They buy compost in 50 litre bags

How many bags of compost must they buy?

Show all your working	
N	lumber of bags

(5 marks)

Q14	4 20 students take a maths test. Their tutor re	ecords the scores. The list below show	٧S
	their scores:		

 $15,\, 24,\, 6,\, 8,\, 29,\, 6,\, 12,\, 17,\, 24,\, 22,\, 25,\, 30,\, 18,\, 3,\, 11,\, 7,\, 18,\, 27,\, 28,\, 27$

Present these scores in three suitable groups	
	(2 marks)
Present this information in a suitable chart or graph.	

There is spare graph paper on pg 21

(3 marks)

Q15 A school thinks their results are better than the national average.

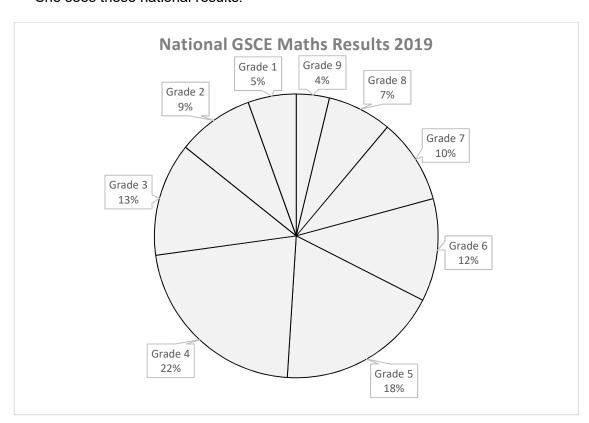
The school has a target for 65% of their students to achieve a Grade 4 or higher in their Maths GSCE.

A school governor uses this school table to check results.

School GSCE Maths Results 2019		
Grade	Number of Students	
9 - Highest	7	
8	11	
7	18	
6	22	
5	27	
4	55	
3	27	
2	22	
1 - Lowest	11	

She wants to compare her school's results with the national Maths GCSE results for Grade 4 and above.

She sees these national results.



She needs to write a report for the board of governors.

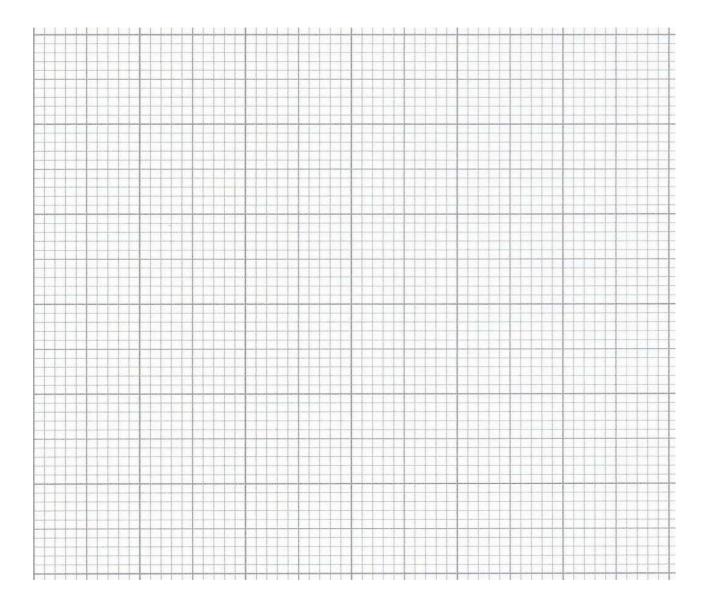
She says that the school has met its target **and** that its results are better than the national average.

Show all your working.
Target met? (tick one box) Yes No
Better than national average? (tick one box) Yes No
Explanation

Is the governor correct?
Explain your decisions. Show calculations to support your explanation.

(6 marks)

Spare graph paper for Question 14



End of Section 2