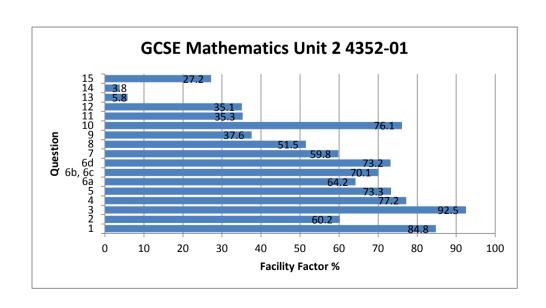
WJEC 2014 Online Exam Review

GCSE Mathematics Unit 2 4352-01

All Candidates' performance across questions

?	?	?	?	?	?	?
Question Title	N	Mean	S D	Max Mark	F F	Attempt %
1	1678	7.6	1.4	9	84.8	100
2	1670	1.8	1.1	3	60.2	99.5
3	1677	1.8	0.4	2	92.5	99.9
4	1656	1.5	0.8	2	77.2	98.7
5	1675	2.2	0.8	3	73.3	99.8
6a	1599	1.9	1.2	3	64.2	95.3
6b, 6c	1659	2.8	1.1	4	70.1	98.9
6d	1660	1.5	0.8	2	73.2	98.9
7	1668	4.2	1.9	7	59.8	99.4
8	1569	1.5	1.4	3	51.5	93.5
9	1527	1.5	1.5	4	37.6	91
10	1640	3	1.2	4	76.1	97.7
11	1563	0.7	0.8	2	35.3	93.2
12	1593	2.1	1.9	6	35.1	94.9
13	1384	0.3	1	5	5.8	82.5
14	1143	0.1	0.3	2	3.8	68.1
15	1438	1.1	1.4	4	27.2	85.7

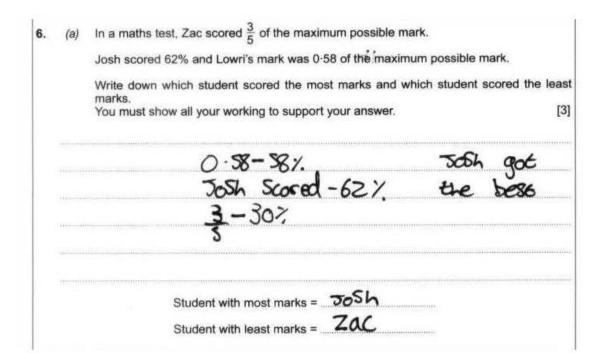


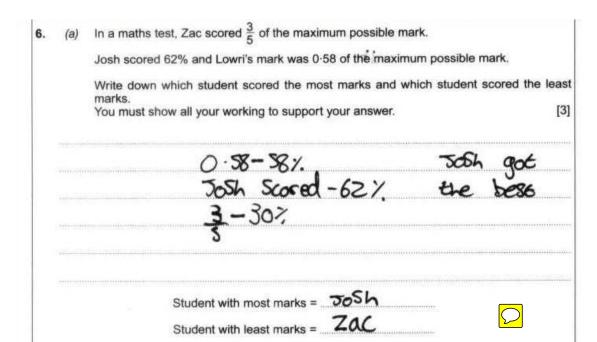
6.	(a)	In a maths test, Zac scored $\frac{3}{5}$ of the maximum possible mark.
		Josh scored 62% and Lowri's mark was 0.58 of the maximum possible mark.
		Write down which student scored the most marks and which student scored the least marks. You must show all your working to support your answer. [3]
	•••••	
		Student with most marks =
		Student with least marks =



6. (4	Josh Write marks	down which student scored the r	0.58 of the maximum possible mark. most marks and which student scored the leas
2,4	X20	60% - Josh Zac-	Josh had the most.
3	5 100		then Zac then
-0460		62% - Jash	10ML1 -
0.58	8 X 100	58% - LOWYI	
		Student with most marks Student with least marks	= Josh

		Write down which student scored the marks. You must show all your working to support	nost marks and which student scored the leas
	3	60 60% - Josh Zac-	Josh had the most.
	5	100	then Zac then
	*********	62% - Josh	lowri -
W 2	= X X		
0.	001	58% - LOWYI	
		Student with most marks : Student with least marks :	1 OWKI .



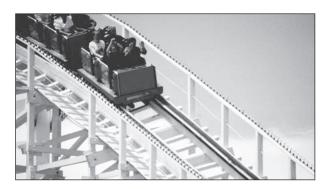


7.	You will be	assessed on	the qual	itv of v	our written	communication	in this c	uestion.

Mr and Mrs Morris and their children, Nia and Bryn, went to Addington Theme Park for a day out.

Mr and Mrs Morris planned to go on 6 rides each.

Nia and Bryn planned to go on 8 rides each.



	Adult price	Child price
One-day ticket (includes all rides)	£21.50	£17.50
Individual ride ticket (per person per ride)	£2.50	£2.50

Mr and Mrs Morris bought tickets for themselves and for their children.

They spent as little money as possible. How much money did it cost them altogether? You must show all your working clearly.	[7]



Mr and Mrs Morris bought tickets for themse They spent as little money as possible. How much money did it cost them altogether You must show all your working clearly.	
One day ticket	
21.50 x 2 43	
17.50 , 2 35	
=\$78.00	
Individual ride ticket	Answer: Altogether
2.50 x 12 = 30.00 #	it cost them 170
2.50 x 16 = 40.00	and they paid for
=\$70:00	individual ride tickets.

Mr and Mrs Morris bought tickets for themselves and for their children. They spent as little money as possible. How much money did it cost them altogether? You must show all your working clearly. [7] ticket One day 43 21.50 x2 17.50 x 2 35 =\$78.00 Individual ride ticket Answer: Altogether 2.50 x 12 = 30.00 14 it cost them 170 2.50 x 16 = 40.00 they paid tickets. =\$70:00 Individual ride

 \bigcirc

and two children. Adult price is £21.50. £21.50x2=£43.00 for the adults. child price us £17.50. £17.50x2=£35.00 for the adults. child price us £17.50. £17.50x2=£35.00 for the children so the family would of spent £43.00t£350 equals £78.00 for the whole family. If the family spent the money on individual ride trokets. Mr and mrs more rise planned to go on £ rides each. £250x6 equals £15.00 each therefore for both adults it would

costels.cox 2 = £30.00. The children planned to go on 8 rides each. Each ride costs a child £2.50, £2.50 x 8 equal £20.00 so so for both win and Bryn it would cost £20.00 x 2 = £40.00. All together the family would have to spend £40.00 +£30.00 - £70.00. Mr and Mrs Morris spent as vittle maney as possible so that would mean they bought individual ride tracets in stead of a one-day ticket. A one-day ticket for the whole family costs £78.00 whereas individual rider factly whole family costs £70.00.

xam onl and two children. Adult price is £21.50. £21.50x2=£43.00 for the adults child price us £17.50. £17.50x2=£35.00 for the adults child price us £17.50. £17.50x2=£35.00 for the children. So the family would of spent £43.001£350 equals £78.00 for the whole family. If the family spent the money on individual ride trokets. Mr and mrs marris were planned to go on & rides each. £250x6 equals £15.00 each therefore for both adults it would

cost E15.00 x 2 = £30.00. The children planned to go on 8 rides each. Each ride costs a child £2.50, £2.50 x 8 equal £20.00 so for both will and Bryn it would cost £20.00 x 2 = £40.00. All together the family would have to spend £40.00 +£30.00 - £70.00. Mr and Mrs Morris spent as vittle maney as possible so that would mean they bought individual ride trackets instead of a one-day ticket. A one-day ticket pa the whole family costs £78.00 whereas individual rides for the whole family costs £70.00.



Mr and Mrs Morris bought tickets for themselves and for their children. They spent as little money as possible. How much money did it cost them altogether? You must show all your working clearly.

[7]

8 rideckets 8 x 2.50 = £20.00

would Choice all ticket for the Children day

6 fide - 6 x 2.50 = £15.00

One day ticket - = £21.50 So Mr and Mrs

Morry would choice 6 stage for ride tickets for
the themselves

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Two people for 6 ride ticket = $2 \times 15 = £30.00$ Two child all day tickets = $2 \times 17.50 = £35.00$ £ 65-00

17-50 x 2 = 35

cost all together = £65.00



Mr and Mrs Morris bought tickets for themselves and for their children. They spent as little money as possible. How much money did it cost them altogether? You must show all your working clearly.

[7]

8 rigerkets 8 x 2.50 = £20.00

one day ticret = £17.50 50 mr and mrs Morris Would Choice all ticket for the Children day

6 fide - 6 x 2.50 = £15.00

One day ticket - = £21.50 So Mr and Mrs

Morry would choice 6 sagre for the themselves.

Two people for 6 ride ticket = 2 x 15=£30-00
Two Child all day tickers = 2 x 1750=£35:00
£65-00

17.50 x Q = 35

cost all together = £65.00





		⊺Examine
8.	Karim painted a fence.	only
	On Monday, he painted $\frac{7}{10}$ of the fence.	
	On Tuesday, he painted another $\frac{1}{5}$ of the fence.	
	On Wednesday, he finished painting the fence.	
	What fraction of the fence did Karim paint on Wednesday? [3]	



On Wednesday, he finished painting What fraction of the fence did Kari	
The the the the	The The the 1/10 husday
10/5 = 5 7/10 1/5x2 = 2/10	Kanim painted /10 on wednesday
110 15 = 10	

On Monday, he painted $\frac{7}{10}$ of the fence. On Tuesday, he painted another $\frac{1}{5}$ of the fence. On Wednesday, he finished painting the fence.	
What fraction of the fence did Karim paint on Wednesday?	
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wednesday	
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[3]
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8.	Karim painted a fence.
	On Monday, he painted $\frac{7}{10}$ of the fence.
	On Tuesday, he painted another $\frac{1}{5}$ of the fence.
	On Wednesday, he finished painting the fence.
	What fraction of the fence did Karim paint on Wednesday? [3]
	70+20=90
	/= 20%
	wednesday he painted 10%

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Wednesday?		[3]
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3.	Karim painted a fence.	
	On Monday, he painted $\frac{7}{10}$ of the fence.	
	On Tuesday, he painted another $\frac{1}{5}$ of the fence.	
	On Wednesday, he finished painting the fence.	
	What fraction of the fence did Karim paint on Wednesday?	[3]
	Monday - To	
	Tuesday - = =================================	
	100 Sacry 9 10)
	Wednesday - 10	
	U	
	7,2-9 10 9-1	
	10 10 -10 10 10 -10	
	10 10 10 10 10 10	
		01115

12. Daniel wants to buy a new bicycle. It is priced at £480.



Calculate the total amount Daniel would pay using the deposit and monthly payments

Daniel can either

(a)

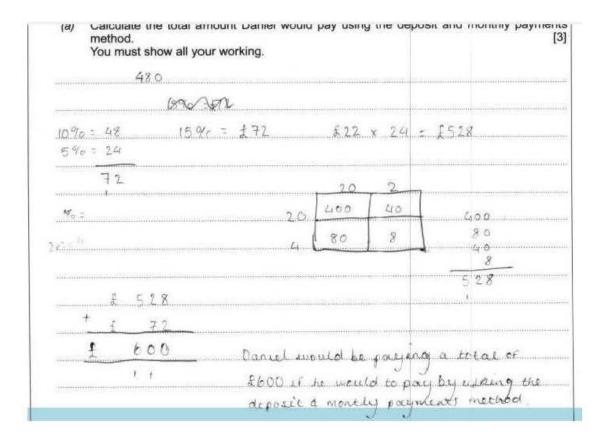
- pay £480 immediately, or
- pay a 15% deposit, followed by 24 monthly payments of £22.

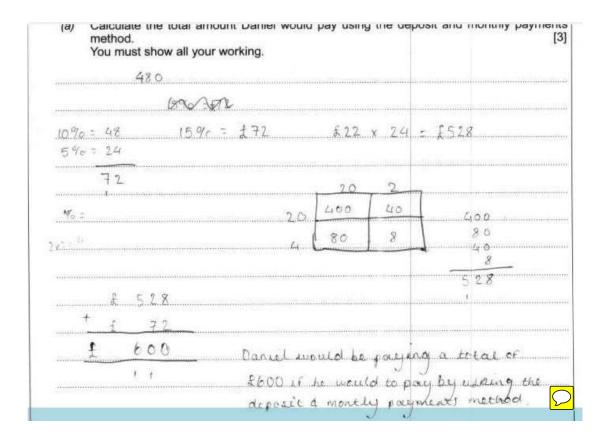
method. You must show all your working.	[3]



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1.200			
15% 2 480=			
15% of 480= 22×24=£26	54		
264+80=£:			
¥			
		- marionismo de montenero	





	Calculate the total amount Daniel would pay using the deposit and monthly payments method. [3] You must show all your working.
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5	1. OF 480 = F24
	E,72 Deposite
10	monalbly and months of 22 years 1 220
10	monthly pay mounts = E22 x 10 = E220
L	130 x 2 = E 440 + (4 x 22) = E88
t	140 + 88 = E528
t	140 + 88 = E 528 + E 72
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t'	140+88 = E508 + E 70 E600
t' h	F600
t' h	F600
L	F600

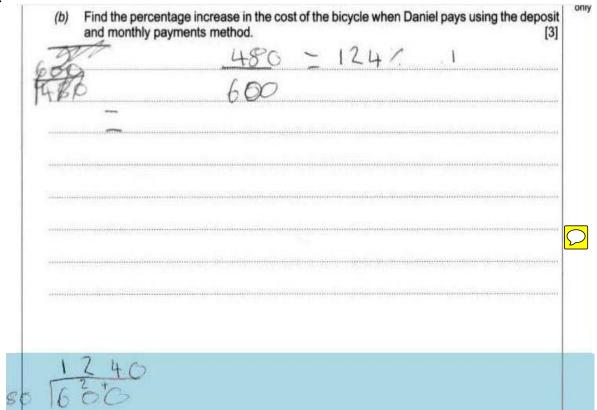
Il your working.	and pay using the	deposit and monthly pay	yment [3
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pay mounts	= £22 x	10 = £220	
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= £528			
+ £ 72	1441201441		
£600			
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12.	(b)	Find the percentage increase in the cost of the bicycle when Daniel pays using the deposit and monthly payments method. [3]	Examin only



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Increased by £170	50% of 740 TO
£1	70 is 1/2 of 480 = 1 75%
The Percentage in cred	ose is by 25%
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