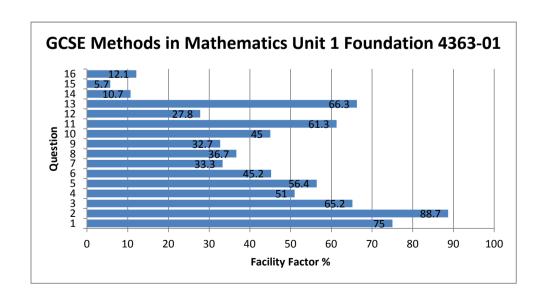


# WJEC 2014 Online Exam Review

### GCSE Methods in Mathematics Unit 1 Foundation 4363-01

All Candidates' performance across questions

?	?	?	?	?	?	?	_
Question Title	N	Mean	S D	Max Mark	F F	Attempt %	
1	399	6	1.7	8	75	100	
2	399	3.5	1	4	88.7	100	
3	392	2.6	1.2	4	65.2	98.3	$\leftarrow$
4	398	4.1	2.3	8	51	99.8	
5	393	3.4	2.2	6	56.4	98.5	$\leftarrow$
6	398	2.7	1.6	6	45.2	99.8	
7	389	1.7	1.6	5	33.3	97.5	$\leftarrow$
8	341	1.5	1.7	4	36.7	85.5	
9	393	2.9	1.9	9	32.7	98.5	
10	394	1.8	1.4	4	45	98.8	
11	388	2.5	1.2	4	61.3	97.2	
12	383	1.1	1.1	4	27.8	96	
13	388	2	1.1	3	66.3	97.2	
14	313	0.4	0.8	4	10.7	78.5	
15	329	0.2	0.6	3	5.7	82.5	
16	369	0.5	1	4	12.1	92.5	$\leftarrow$



4363 010005

Complete the following table.
The first row has been done for you.

3.

[4]

Angle	Name of angle	Reason
	Acute	The angle is between 0° and 90°

Turn over.

Angle	Name of angle	Reason
/	Acute	The angle is between 0° and 90°
	Right angle	90° angle
	Reflex Obsersey	The ongle is between 90° and 130°

Angle	Name of angle	Reason	
/	Acute	The angle is between 0° and 90°	
	Right	90° angle.	
	Reflex Otherson X	The angle is between 90° and 130°	1:

Angle	Name of angle	Reason
_	Acute	The angle is between 0° and 90°
	Right	Wetween and a Hurays
	Octuse	Ehr ange 15 More 6 han 90°

Complete the following table.
 The first row has been done for you.

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[4]

Angle	Name of angle	Reason
	Acute	The angle is between 0° and 90°
	Right and	We congleis annews 90°
	Octuse	Ehr angle 15 More 6 han 90°

**5.** You will be assessed on the quality of your written communication in this question.

Both Len's Store and Deb's Store sell the same moisturising lotion, in the same sized bottles.

## **LEN'S STORE**

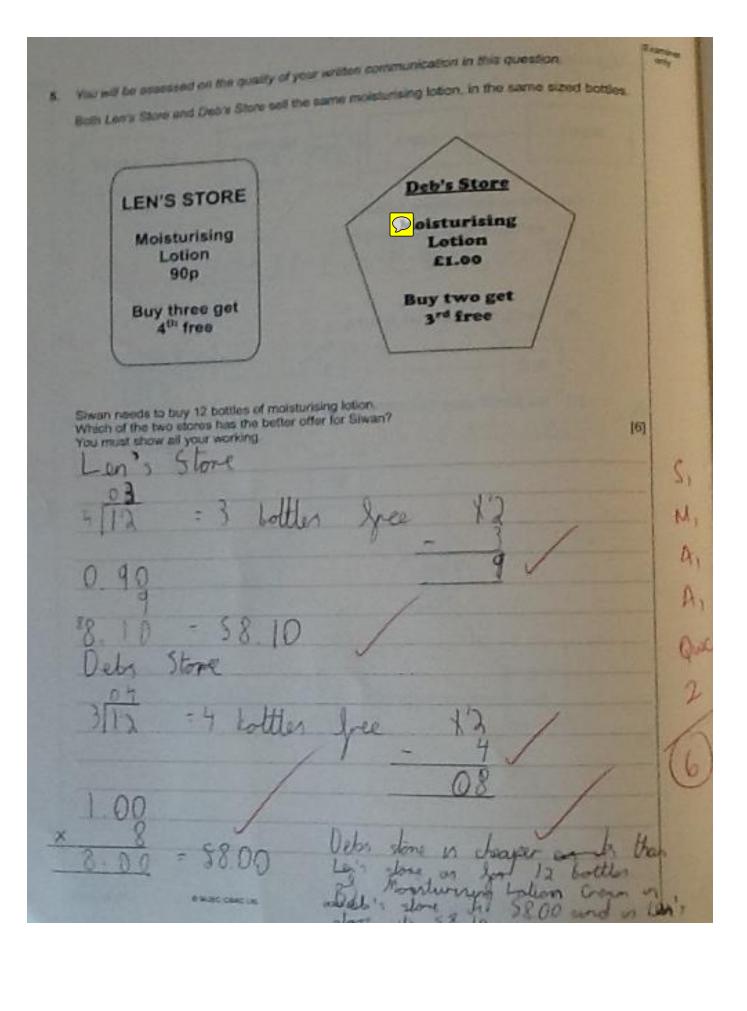
Moisturising Lotion 90p

Buy three get 4<sup>th</sup> free



Siwan needs to buy 12 bottles of moisturising lotion. Which of the two stores has the better offer for Siwan? You must show all your working.	[6]

You will be assessed on the quality of your wrotten consmutations in this question each Larry Store and Dieb's Store sell the same measuresing lobon, in the same sized botton Deb's Store LEN'S STORE Moisturising Moisturising Lotion Lotion £1.00 900 Buy two get Buy three get 3rd free 4th fres Swan needs to buy 12 bottles of moisturising lotton. Which of the two stores has the better offer for Siwan? 167 You must show all your working



Has will be accessed on the quality of your written constructionation in this queet on Now will be excessed on the form and the same moisturising lotion, in the same sized bone, that Limit Store and Ceb's Store and this same moisturising lotion, in the same sized bone,

LEN'S STORE

Moisturising Lotion 900

Buy three get Ath free

Deb's Store

Moisturising Lotion £1.00

Buy two get 3rd Free

Siwan needs to buy 12 bottles of moisturising lotion. Which of the two stores has the better offer for Siwan? 12 x 90 \$080 Fer 12 bockets 3, Q6 Da Q, 11, 12 Line offer

1,2,5,4,5,6,7,8,9,10,11,12 -9 x 90=[810

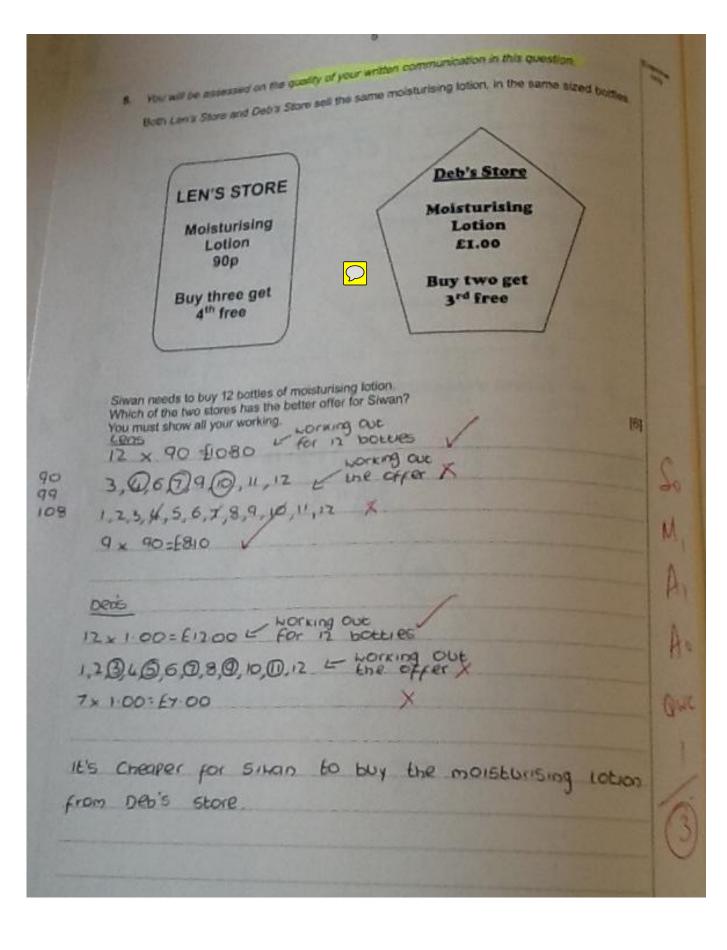
Deas

90 99

109

12 x 1:00 = £12:00 & for 12 bothies 1,2046,6,0,8,0,10,0,12 - the offer 7x 1.00: FY.00

it's cheaper for sixon to buy the moisturising lotion from Deb's store



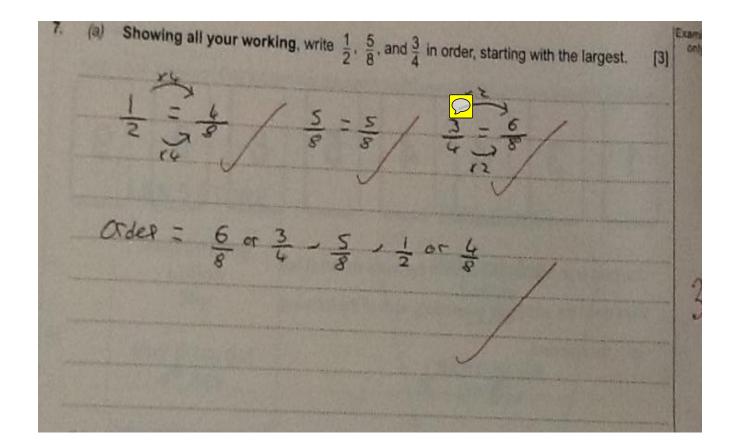
	(a)	ţ	Sho	owi	ing	j a	ll y	oι	ır '	wc	ork	(in	g,	wri	te	1/2	3	<u>.</u>	and	d <u>3</u>	in	or	de	r, s	tar	ting	g w	ith	th	e la	arg	est	-	[3	Exa o
				••••	•••••					••••				••••				••••	•••••		•••••	••••				•••••		••••							
																																			-
	(b)	١	Wri	te d	dov		50	)p	as	а	fra	cti	on	of	£4	in	its	s si	mp	oles	t fo	 orn	 1.											[2	.  ]
••				••••										••••							••••	••••													

Showing all your working, write 
$$\frac{1}{2}$$
,  $\frac{5}{8}$  and  $\frac{7}{4}$  in order, starting with the largest.  $\frac{1}{3}$ 

$$\frac{1}{2}$$

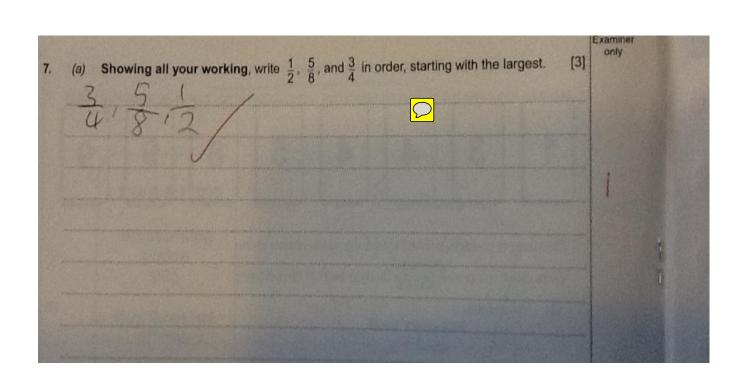
$$\frac{1}{2}$$

$$\frac{1}{3}$$

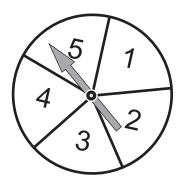


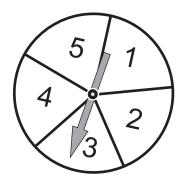
7. (a) Showing all your working, write  $\frac{1}{2}$ ,  $\frac{5}{8}$ , and  $\frac{3}{4}$  in order, starting with the largest. [3]

3 5 1



16.





The two spinners are spun. The score is the total of the two numbers shown on the spinners.

The score shown above is eight.

There are two different game cards, card A and card B. A game is played, crossing out the scores from the spinners on the game card as the spinners are spun repeatedly.

The first game card with all four scores crossed out is the winning card.

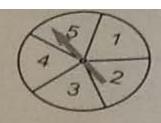
#### Game card A

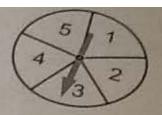
3	2
9	10

#### Game card B

4	6
5	7

Which game card is more likely to be the winning card? You must show your working and give a reason for your answer.	[4]
	•••••••••••••••••••••••••••••••••••••••





The two spinners are spun. The score is the total of the two numbers shown on the spinners. The score shown above is eight.

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A pame is played, crossing out the scores from the spinners on the game card as the spinners are spun repeatedly.
The first game card with all four scores crossed out is the winning card.

#### Game card A

	043600
3	2
9	10

### Game card B

7	
4	0
5	7

Which game card is more likely to be the winning card? You must show your working and give a reason for your answer.

Circle going to un become the numbers

Circle going to un become the numbers

Circle going to un become the numbers

Circle Spread ont and are not too high

Or Loo Cyr. 1+1=2 1+2=3 1+4=5 1+5=6

1+6=7. He number that are shown on

this spinors has more of a chance to

Cant on two numbers that could come

IF you and all the possible ways of the control of a Chance to get Game Cord Bs Instead of Game Cord A For example 4+2=6

the consumers you will get will come to the same way Game Cord B as shown From a few or the examples





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There are two different game cards, card A and card 8.

A game is played, crossing out the scores from the spinners on the game card as the spinners are spun repeatedly.

The first game card with all four scores crossed out is the winning card.

## Game card A

3	2
9	10

Gar	ard B
4	6
5	7

Which game card is more likely to be the winning card? You must show your working and give a reason for your answer.

(irely going to un because the numbers

ore spined one and ore not too high

or too lay. 1+1=2 1+2=3 1+4=5 1+5=6

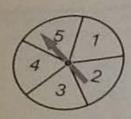
1+6=7. The number that are shown on

this spinors has more of a chance to

can't on two numbers that could come

TF you add all the possible ways or the control of pour get from there lose Spinners you will have of Crane Cord A For example 4+2=6

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The score is the total of the two numbers shown on the spinners.

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There are two different game cards, card A and card B.
A game is played, crossing out the scores from the spinners on the game card as the spinners are spun repeatedly.
The first game card with all four scores crossed out is the winning card.

Game card A 2 10

Game card B

Which game card is more likely to be the winning card?
You must show your working and give a reason for your answer

[4]

1+1=2 3+4=7 4+5=9 H2=3 2+3=5

2+4=6 2+2=4 1+3=4 3+5-8

1+4=5 215=7 3+3=6

4+4=8 1+5=6 241203

5+5=10

Card B is more likely to win the game because there is more possible ways to

SWIEG COACLE

(#365.00)

make the numbers, 4,5,6 and 7 when the Spinner is spun



The two spinners are spun.

The score is the total of the two numbers shown on the spinners.

The score shown above is eight.

There are two different game cards, card A and card B.

A game is played, crossing out the scores from the spinners on the game card as the spinners are spun repealedly.

are spun repeatedly.	and out is the winning card
The first game card with all four scores	CIDSSED COLL

Game	card A	
3	2	
9	10	3

	Game		-
T	4	6	
	5	7	

 $\bigcirc$ 

3+5-8

Which game card is more likely to be the winning card?
You must show your working and give a reason for your answer.

3+4=7 4+5=9

[4]

1+1=2 2+3=5 1+2=3 2+2=4 1+3=4 2+4=6 3+3=6 1+4=5 2+5=7 4+4=8 1+5=6 241203

5+5=10

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