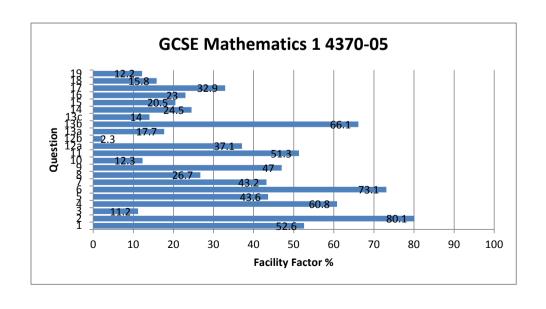
WJEC 2014 Online Exam Review

GCSE Mathematics 1 4370-05

All Candidates' performance across questions

?	?	?	?	?	?	?	
Question Title	N	Mean	S D	Max Mark	F F	Attempt %	
1	12186	3.7	1.8	7	52.6	99.7	
2	12213	4.8	1.1	6	80.1	100	
3	11559	0.4	0.8	4	11.2	94.6	
4	11803	2.4	1.5	4	60.8	96.6	
5	11906	1.7	1.5	4	43.6	97.5	\leftarrow
6	12140	7.3	2.5	10	73.1	99.4	
7	11789	1.3	1.3	3	43.2	96.5	
8	10981	0.8	0.9	3	26.7	89.9	
9	12099	3.8	2.1	8	47	99	\leftarrow
10	9620	0.6	1.3	5	12.3	78.7	
11	11163	2.6	2.1	5	51.3	91.4	
12a	10878	1.5	1.6	4	37.1	89	
12b	11085	0	0.2	2	2.3	90.7	
13a	10935	0.4	0.6	2	17.7	89.5	\leftarrow
13b	11210	0.7	0.5	1	66.1	91.8	
13c	10638	0.3	0.6	2	14	87.1	\leftarrow
14	11748	1.2	1.3	5	24.5	96.2	
15	10259	0.6	0.9	3	20.5	84	
16	11413	1.6	1.7	7	23	93.4	
17	10330	1.6	2	5	32.9	84.5	
18	11805	0.9	1.5	6	15.8	96.6	
19	11685	0.5	1.2	4	12.2	95.6	



There are more pupils in class B than in class A. There are 4 boys in class A. There are 1½ times as many girls in class B than in class A. How many boys are there in class B?						
Class A Class B There are more pupils in class B than in class A. There are 4 boys in class A. There are 1½ times as many girls in class B than in class A. How many boys are there in class B?	The pie o	charts show the proporti	ion of boys to girls i	n class A and clas	ss B.	
There are more pupils in class B than in class A. There are 4 boys in class A. There are $1\frac{1}{2}$ times as many girls in class B than in class A. How many boys are there in class B?				Girls	Boys	
There are 4 boys in class A. There are 1½ times as many girls in class B than in class A. How many boys are there in class B?		Class A		C	lass B	



Boos in Class A: 14 of class A,

4x3:12, 12 girls in class A

12x1.5: 18 girls in class B.

2/3:2:13. 18:2:9

There are 9 boys in class B.

Boys in Class A= "4 of class A, D
4x3:12, 12 girls in class A
12 x los = 180 girls in class B.
3/3 ÷2 = 1/3. 0 18 ÷ 2 = 9
There are 9 boys in class B.
0

Question 5

Il a quar	es o	of h	e
boys = 4	in	clas	s A
tren = [2.		
1.5x 12=18	>		
± 00 18 = 6	1	here	age
	6	60	ys.

Question 5

9. Amelia regularly buys bird food to place on her bird table.



(a)	The winter mix bird food contains buckwheat, millet and sunflower seeds.
	For every 2g of buckwheat there are 3g of millet and 5g of sunflower seeds.
	How much millet is there in an 850g bag of winter mix bird food?

[2]

(b) You will be assessed on the quality of your written communication in this part of the question.

The summer mix bird food is sold in different sized bags. The sizes of the bags and the prices are shown below.



Size	Price
250 g	49p
300 g	54p
4 kg	£7.60

Amelia bought exactly 5 kg of the summer mix bird food. She found the cheapest option for buying the bird food.

How much did Amelia pay for the bird food? You must show how many bags of each size Amelia bought. You must show all your working.

[6]



Firsty you be converted into grams which is 5000 g and then divide it by 2500 which is 200 . She bought 200 of the 2500 bags.

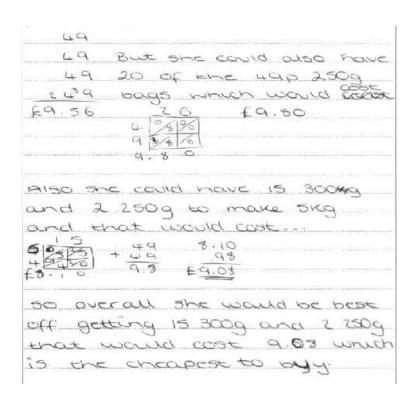
Next you multiply 40p by 200 grams which equals 9800 which converted into pounds is £9.80

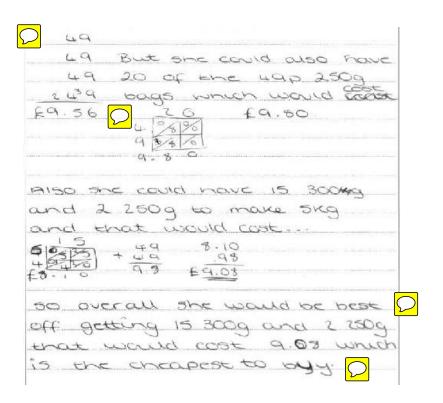
So that means the price that Amelia had to pay for the bird food is £9.80

Firstly up we convert Skg into grams which is 5000 g and then divide it by 250g which is 2000 She bought 2000 the 250g bags D. Next up multiply 49p, by 20 grams which equals 980p which converted into founds is £9.80 D.

So that Means the price that Amelia had to pay for the birol food is £9.80 D.







Question 9b

EPLION L' Amo	Ina bought 14kg	La and 4 2500	Lage
Washington and Company of the Compan	(=1.96) = Eq.56		
OPEION 2: AME	lia bought 20 250g	bases	
6.49x20 = Eq.			
Production of the Control of the Con	a bought 15 300g		
	5 x 0.54 = 69.10) + (4 ght 15 300g bass o		

Question 9b

EPION 1: Amelia bought 1469 bag and 4 2509 bags

E760 + 6.49x4=1.96) = E9.56:

OPEION 2: Amelia bought 20 2509 bags

0.49x20 = E9.90

OPEION 3: Amelia bought 15 3009 bags and 2 2509 bags

CHESSE 5x054=6910) + 640x2=697) = E9.08

- Amelia bought 15 3009 bags and 2 2509 bags

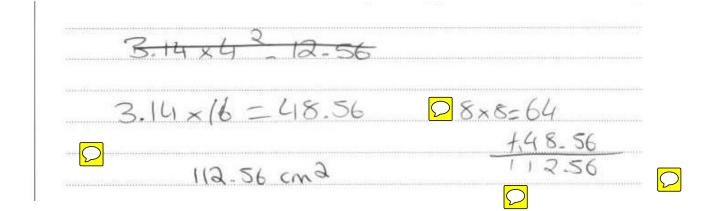


			⊤Examiner
13.	(a)	The diagram shows a semicircle joined to a square.	only
		8 cm	
		Diagram not drawn to scale	
		Calculate the total area of the shaded shape, leaving your answer in terms of π . [2]	
	•••••		
	······		
	······		
	•••••		
			1

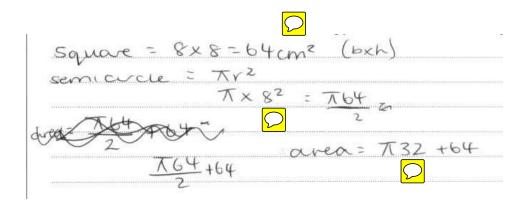


3.14 x 4 2 12-56	
3.14×16=48.56	8×8=64
•	4,48-56
112-26 cma	112.56

Question 13a



semicuc	le = Tr2
	7 × 82 = 764
wear 1	POTO
	164 1111 area = 7132 +64





13					Examiner only
	(c)	Evaluate	$\frac{4\cdot5\times10^8}{9\times10^{12}}$, giving your answer in standard form.	[2]	
			3 × 10		
	•••••				
	•••••				
	•••••				
	-			-	
	-				



(0)	Evaluate	$\frac{4.5 \times 10^{9}}{9 \times 10^{12}}$, giving your answer in standard form.
0	SxI	0-4

0, S x 10 ⁻⁴ D	(c) E	valuate	9×10^{12}	giving your answer in s	standard form.
	0.5	1 6	0-4		
	\bigcirc		\bigcirc		
					H1-411-401-401-4011-01-411-01-11-01-41-41-41-41-41-41-41-41-41-41-41-41-41

