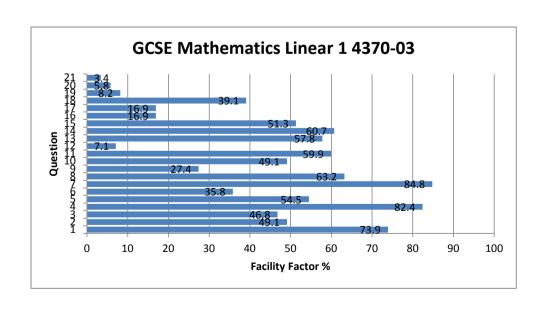
WJEC 2014 Online Exam Review

GCSE Mathematics Linear 1 4370-03

All Candidates' performance across questions

?	?	?	?	?	?	?	
Question Title	N	Mean	SD	Max Mark	F F	Attempt %]
1	19353	7.4	2.3	10	73.9	100	
2	19310	2.9	1.6	6	49.1	99.7	
3	18733	2.8	2	6	46.8	96.8	\leftarrow
4	19254	2.5	0.8	3	82.4	99.5	
5	19301	3.3	1.4	6	54.5	99.7	
6	18782	2.1	2	6	35.8	97	\leftarrow
7	19168	2.5	0.8	3	84.8	99	
8	18434	2.5	1.5	4	63.2	95.2	
9	16660	1.1	1.3	4	27.4	86	\leftarrow
10	18987	2.9	1.4	6	49.1	98.1	
11	19256	2.4	1.3	4	59.9	99.5	
12	16204	0.1	0.5	2	7.1	83.7	
13	18717	3.5	1.4	6	57.8	96.7	
14	18486	3	1.9	5	60.7	95.5	
15	18899	3.1	1.7	6	51.3	97.6	
16	16257	0.7	1.2	4	16.9	84	\leftarrow
17	17325	0.7	1.1	4	16.9	89.5	\leftarrow
18	16929	1.6	1.5	4	39.1	87.4	
19	17980	0.2	0.7	3	8.2	92.9	
20	12406	0.2	0.5	3	5.8	64.1	
21	11450	0.2	0.6	5	3.4	59.1	



		L^0
3.	You will be assessed on the quality of your written communication in this question.	C
	A window cleaner takes 15 minutes to clean each window in a large building. He charges using the following formula:	
	payment = £8 \times number of hours worked + call-out charge	
	Calculate the payment for cleaning 20 windows when the call-out charge is £12. [6]	



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payment =	- f8x run per-of hows worned + 612.
We need	to find out the number of hours
Worned:	18 13 minutes × 20 Windows
	15 2 2d - P Earle off the rought
and decide a second a second	5/20 15 2 - 30
	(Addon the rought) 300.4
	There is be minutes in anhour
	W 5 60
0	150 Ex 150
() ()	He worked five hours, 240
2	900
roumont -	18×5=40 Hercecitores
todien .	1
	18 × 5 = 40 140 4/12 = 152 He is payed £52 for cleaning 80 Windows.
2	140 4/12 = 152
	He is payed to
	1 0 0
	for closely for Windlows

	= £8 × number	-of hou	is worned t	
We need	to find out		mber of h	
Worned:	18	B 13 MINU	tes × 20 W	indaut
	25	5 x 2	f - P take off	the nough
	700 15	5 × 2=	30	44 15 -44 (B-44) BY BY BY BY
	CAdd	on the nove	pot - 300.4	
	of Those	is 60	minutes in	ahour
		N/ DEST	335	60
€0	11	Sash and	COLDNO	190
33	He wor	hed H	ve hours.	240
100 100				900
coument	: 18× P+119			
U	18×5=40	v L	rasiaNN N	
	= \$40 4/12 = 152	Fle	payed fluoring 80 Wi	
	tan the low	110 :-	anusal ft	-2
		NE 15	pages L	,
		for our	nalas Po lati	Ruolon
		100 CM	multed on w.	21

Calculate the payment for cleaning 20 windows when the call-out charge is £12. [6]

The window eleaner will work a total or & jive hours, because it will take him jiveen minutes to clean each or the twenty windows. The total payment for cleaning twenty windows with a call-oad charge of twelve pounds and a payment of payment of sight pound is equil to jify two founds total payment.

Calculate the payment for cleaning 20 windows when the call-out charge is £12. [6]

The window eleaner will work a total of & jive hours, because in will take him jixteen minutes to clean each of the twenty windows. The total payment for cleaning twenty windows with a call-out charge of twelve pounds and a payment of sight point is equil to fixty two pounds total payment.



Two rectangles, each 9 cm by 3 cm, and an overlapping rectangle, 8 cm by 3 cm, are placed so that they make the H shape shown in the diagram.
and they make the results of the majoranni

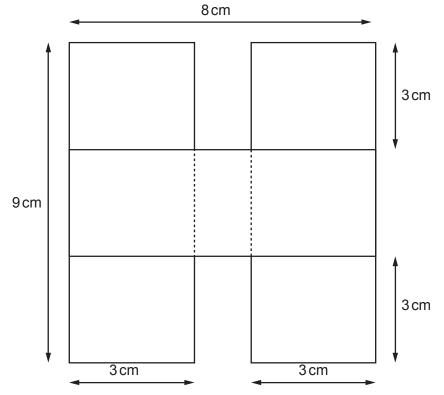
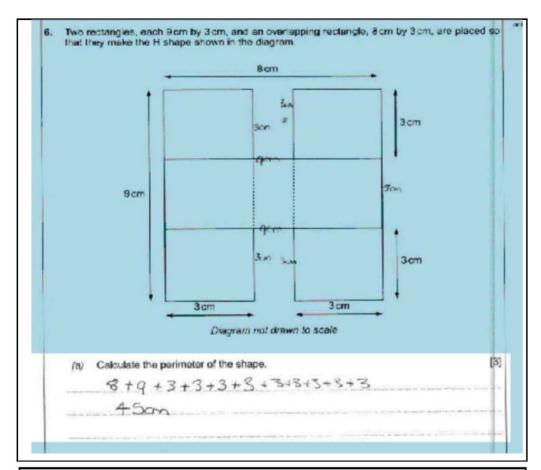


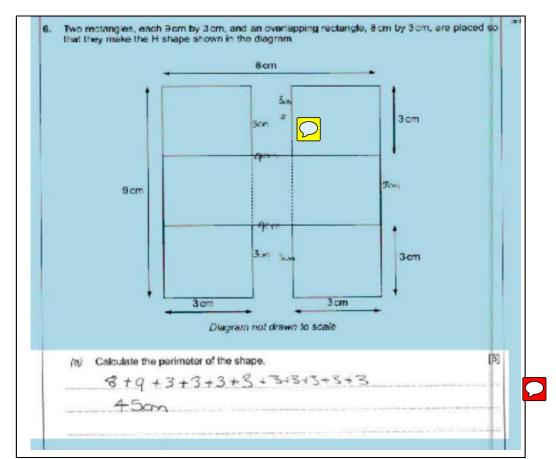
Diagram not drawn to scale

(a)	Calculate the perimeter of the shape.	[3]
(b)	Calculate the area of the shape. Write down the units of your answer.	[3]
		••••••





(b)	Calculate the area of the shape. Write down the units of your answer.	-	
	$9 \times 3 = 27$	2.7	
	3×2 = (2 7	
	$9 \times 3 = 27$	5416-60	
	= 60cm2	,	



[3]					our answer.	ea of the s inits of yo	the u	own	Write do	
			2 7			27	Ξ	3	9 x	
			7			6	-	2	3×	
	= 60	1 6	4	Į.		27	=	3	92	

9. A rectangular tank has a length of 20 cm, a width of 15 cm and a height of 10 cm. Water is poured into the tank until it is half full. Calculate the volume of the water in **litres**.

[4]

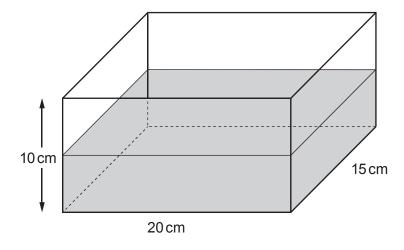


Diagram not drawn to scale

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Examiner only

9. A rectangular tank has a length of 20 cm, a width of 15 cm and a height of 10 cm. Water is poured into the tank until it is half full. Calculate the volume of the water in litres.

[4]

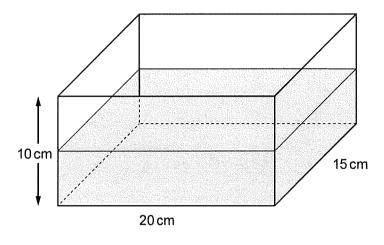


Diagram not drawn to scale

	MONKAAADINKVIN
	MANANANAN
	Length x width x Height
••••	$30 \times 12 \times 10^{-3}$
	$3000 \text{ cm}_3 = 30 \text{ litter}_3$

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Examiner only

A rectangular tank has a length of 20 cm, a width of 15 cm and a height of 10 cm. Water is poured into the tank until it is half full. 9. Calculate the volume of the water in litres.

[4]

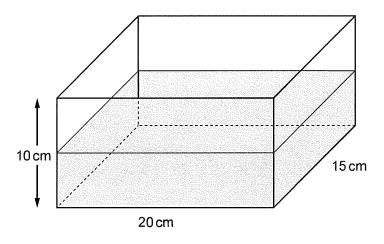


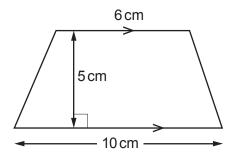
Diagram not drawn to scale

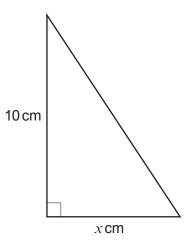
NONEMACONEMAN
MANNANA
Length x width x Height
20 x 15x 10 = 3000 cm ³
$3000 \text{cm}_3 = 30 \text{rither}_3$
$\overline{\mathcal{Q}}$



Examin	е
only	

16.	The area of the	trapezium	is equal	to the ar	ea of the	right-angled	triangle.
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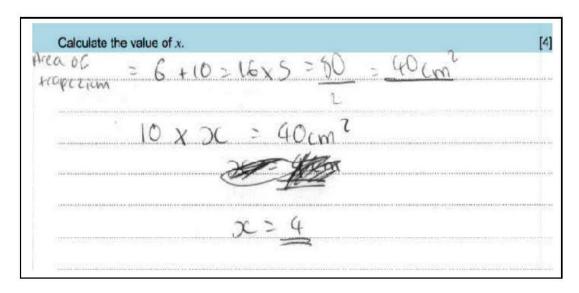


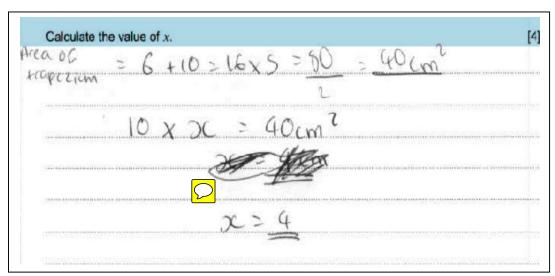


Diagrams not drawn to scale

Calculate the value of <i>x</i> .	[4]







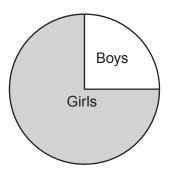


Calculate the value of x.	[4]
area of trapegium: 1 (a+b)h	
Area of mapersium: 1 (6+10)5	
Arra = 1 (16)5	
Area : 16 x 5 : 80 Area : 80 : 40cm ²	
Area of triangle : B x H.	
Pirea of triangle: 20 x 10	0.00(0.10)
12: 8cm d	6

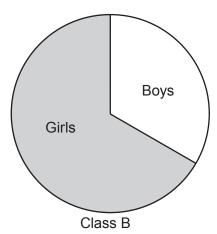
Calculate the value of x.	[4]
area of trapegium = (a +b)h	
9	entimitation mone
Area of mapersum - 1 (6+10)5	
Area = 1 (16)5	endoment statistics of
Q.	(0.0)(0.0)(0.0)(0.0)(0.0)(0.0)
Area = 16 x 5 : 80	
Avea = 80 = 40cm2	Marian Constitution
8	
Area of triangle : B x H.	
Phrea of triangle: or x 10	energy (
7 8cm 2	
y , 1/2/11	6

[4]

17.	The pie charts show	the proportion	of boys to airl	s in class A	and class B.
	The pie onante onen	tile proportion	i oi boyo to giii	o iii olado / t	aria diada b.



Class A



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	y girls in class	B than ir	า class A.
How many boy	ys are there in	class B?		

	 	•••••••••••••••••••••••••••••••••••••••
•••••	 	
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4 which	neks a		of 16	in el	285 A
-			ria signa suma si		
Thee o	x 18	811/3	12 0	655 B	
6+ 12	= 18				
So Hele	,5 /	5 60	5 12	cless	13

4 Monta	in dess	A cret	12 9	1115 in dess
4 white	neks	a tetal	of 16	in doss A
The c		215		- /3
1000	× 18 7	8117	ta cla	88 D

4 ×	3 = 1	2 × 1	82.	24 +	12.	36 -	4
	36	- 4	- 9				
	<u>حالی</u>	ACT.	F	firiti 111111111 (1140-11411)		.772	

