

**Junior Lyceum Entrance Resit Examination into Form I - 2010
Mathematics Marking Scheme**

No.	Requirements	Mark	Additional Guidance
1	6004	1	
3	0.5	1	
5	$\frac{2}{7}$	1	
7	Any valid number.	1	
9	5	1	

No	Requirements	Mark	Additional Guidance
2	3402	1	
4	Monday	1	
6	25	1	
8	70	1	
10	$\frac{1}{8}$	1	

Question	Requirements	Mark	Additional Guidance	
11	a) i.	13.2	e.g. by subtracting ii from i	
	ii.	9.4		
	b)	Valid attempt to find the length of the nib.		1
		3.8		1
12	a)	One line of symmetry correctly drawn.		
		Second line of symmetry correctly drawn.		
	b)	Correct drawing of reflected image.		
	c)	D		
13	a)	Valid attempt to work out the weight of one brick.	e.g. by dividing 17.2 by 8	
		2.15		
	b)	valid attempt to work the weight of 5 bricks.	e.g. by multiplying 2.15 by 5 f.t. for incorrect 2.15	
		10.75		
14	a)	768	seen/implied	
		384		
	b)	200		
		300		
15	a)	+		
	b)	×		
	c)	–		
	d)	÷		
16		Multiplies 5.6 by 2.	f.t. for incorrect subtraction f.t. for incorrect division	
		Subtracts result from 37.		
		Divides result by 2.		
		12.9		
16		Divides 37 by 2.	f.t. for incorrect 18.5	
		18.5		
		Subtracts 5.6 from result.		
		12.9		
17	a)	$\frac{24}{32}$	e.g. divides by 3 and multiplies by 4.	
		$\frac{18}{24}$		
	b)	$\frac{3}{4}$		
		Valid attempt to find the number.		
c)	48			

Question	Requirements	Mark	Additional Guidance
18 a)	Valid attempt to work amount of water. 1.75	1 1	e.g. adds amounts and subtracts from 11.75
b)	Valid method to find average. 2.35	1 1	e.g. divides 11.75 by 5
19	437 seen Attempt to divide 437 by 23 Valid intermediate work 19	1 1 1 1	Accept any other valid method.
20 a) i.	$\frac{1}{48}$	1	Award mark if pm is not included
ii.	36	1	
iii.	81	1	
iv.	7.03 pm	1	
b)	Smallest quantity identified 2005 g, 2500 g, 2.505 kg, 20.5 kg	1 1	
21 a)	1.5, North (or N); 5, North East (or NE)	2	
b)	5, South West (or SW); 1.5, South (or S); 4, East (or E)	4	-1 (e.e.o.o.)
22 a)	Valid attempt to find number of text messages. 14	1 1	e.g. adds text messages and subtracts from 96
b)	bar graph correctly completed	1	f.t. for incorrect 14
c)	3	1	e.g. expresses number of messages received on Saturday as fraction of total (1/4) and converts to percentage.
d)	Valid attempt to find percentage. 25	1 1	
23 a) i.	75 ($\pm 2^\circ$)	1	
ii.	Obtuse angle correctly marked and labelled.	1	e.g. subtracts 134° from 180° .
iii.	4	1	
b)	180° seen or implied	1	
	Valid attempt to find M. 46	1 1	
24	Subtracts 2.50 from 27 24.50 Subtracts €3.50 from result 21 Valid attempt to find the number of kilometres. 11.5	1 1 1 1 1	
25 a)	18	1	e.g. 6×3 , 9×2 Accept decimal/fraction solutions Accept "different perimeters".
b) i.	One rectangle correctly drawn. Second rectangle correctly drawn.	1 1	
ii.	18 22	1 1	
iii.	"Different perimeters but equal area."	1	

Question	Requirements	Mark	Additional Guidance	
26	a)			
		Valid method to find George's pay.	1	e.g. multiplies 58 by 6
		348	1	
		Valid method to find Brigitte's pay.	1	e.g. multiplies 42 by 9
		378	1	
b)	i.	Brigitte	1	
	ii.	30	1	f.t. for incorrect 348 or/and 378
27	a)			
		$\frac{12}{60}$	1	
		$\frac{1}{5}$	1	
	b)	Adds 1h 22 min to 49 min seen/implied	1	Accept other valid methods.
		Converts answer to hours and minutes	1	
	Adds result to 8:15	1		
	10:26	1		
28		Shows understanding of the problem.	1	e.g. divides 36 by 6 and multiplies by 4 and 10.
		Develops and applies a suitable strategy to arrive at a solution.	3	
		24	1	
		60	1	

Legend to Marking Scheme:

e.e.o.o	each error or omission
c.a.o.	correct answer only
f.t.	follow through