


Junior Lyceum Entrance Examination into Form I - 2006
Mathematics Marking Scheme

Question	Requirements	Mark	Additional Guidance
1 a) b) c) d)	5044 300 Eight thousand three hundred and nineteen 8300	1 1 1 1	o.e. Do not accept Hundred Accept answer in words
2 a) b) i) ii)	$\frac{8}{12}$ or $\frac{2}{3}$ $\frac{7}{12}$ Valid attempt to subtract using equivalent fractions $1\frac{1}{12}$	1 1 1 1	Accept $\frac{13}{12}$ o.e.
3 a) b) i) ii)	4·7 written as largest first 4·7, 4·07, 0·74, 0·47  26	1 1 1 1	All four in correct order Accept drawing of 13 th pattern with 26 squares. c.a.o.
4 a) b) c)	$V = L \times B \times H$ seen or implied 27000 1 + 13 or 3 + 11 or 5 + 9 or 7 + 7 or vice-versa 5	1 1 1 1	both must be correct
5 a) b) c) d)	÷ + × –	1 1 1 1	
6 a) i) ii) b)	22 Valid attempt to find length of side 9 Correct drawing	1 1 1 1	
7 a) i) ii) b)	14·3 10·9 Valid attempt to find the length of the bristles 34	1 1 1 1	Do not accept 3·4 cm
8 a) b)	45 Adding 2·5 to Mariella's speed seen or implied Valid attempt to find distance seen or implied 285	1 1 1 1	f.t. for incorrect 45 in a)
9 a) b) i) ii)	60 40 Valid attempt to find Daphne's amount 6	1 1 1 1	f.t. for incorrect 40 in b) i)
10 i) ii)	Attempt to divide 500 by 27 18 seen or implied 19 14	1 1 1 1	

Question		Requirements	Mark	Additional Guidance
11	a)	4, 7, 10	2	} 1 or 2 correct answers score 1 mark, 3 correct answers score 2 marks
	b)	Bar graph correctly drawn	f.t. 2	
	c)	$\frac{9}{30}$ seen or implied, $\frac{3}{10}$	1, 1	
12	a)	65	1	c.a.o.
	b) i)	B or $60^\circ (\pm 2^\circ)$	1	
		A, D	1	
	ii)	Acute	1	
	c) i)	180	1	
ii)		scalene	1	
13	a) i)	North East or NE	1	-1 eeo (for SE distance is $6.3 \text{ km} \pm 0.3 \text{ km}$)
		North or N, West or W	1, 1	
	b)	description giving correct distances and directions	3	
14	a)	Any valid attempt to divide 8.75 by 7, 1.25	1 1	
	b) i)	7.5	1	
		Any valid attempt, 6	1, 1	
	iii)	1.25	1	
15	a)	Adding to find the total number of children	1	
		Dividing by 4	1	
		31	1	
	b)	Valid attempt to find the number of boys in at least one of the buses	1	
		24, 18 bus 1	1 1	
16	a)	Adding 2:30 seen or implied	1	Accept also 17:15 or 5:15
		Adding 0:30 seen or implied	1	
		5:15 p.m.	1	
	b)	Subtracting 5:30 seen or implied	1	Accept also 7:50 a.m. or 07:50 a.m.
		Subtracting 0:50 seen or implied	1	
		07:50	1	
17	a)	4	1	$\pm 0.2 \text{ cm}$
	b) i)	Horizontal line of symmetry correctly drawn	1	$\pm 0.2 \text{ cm}$
		ii)	Line AD seen	
	c) i)	Valid attempt to draw a circle outside the shape	1	
		Correctly drawn circle touching at least 4 vertices	1	
4		1		
18		Adding weights of cups to tray ($1000 \text{ g} + 450 \text{ g}$)	1	Accept any other valid method
		1450 g seen or implied	1	
		Subtracting to find weight of bottles of lemonade	1	
		2250 g seen or implied	1	
		Dividing by 3 seen or implied	1	
		750	1	
19	a) i)	Valid attempt to multiply area of advert A by 25c	1	Accept Lm8.00 Area must be greater than 20 cm^2 and less than 32 cm^2
		8.75	1	
		8.00	1	
	ii)	B	1	
	b)	Valid attempt to arrive at a solution	1	
		Correct length and width	1	
20	a)	Lm1.10 – Lm1.00 seen or implied	1	Accept any other valid method
		$85c + 10c$ seen or implied	1	
		95c	1	
	b)	Lm1.10 – Lm0.50 seen or implied	1	Accept any other valid method
		Result in (a) + $60c$ seen or implied	1	
		Lm1.55	1	
			1	
			1	
			1	

Legend to Marking Scheme: **c.a.o.** correct answer only
f.t. follow through
o.e. or equivalent
-1 eoo -1 for each error or omission

Other guidelines:

1. No mark in the marking scheme is sub-divisible.
2. Even if no working is shown, a correct answer scores full marks.
3. Incorrect answers – even though nearly correct – score no marks.
4. Incorrect working or statement following a correct answer is ignored.
5. An answer or working that is crossed out and not replaced is marked as if it was not crossed out. If the answer or working is **replaced** then the crossed out answer or working should **not** be considered in your marking.
6. If the child copies the answer from the working area to the answer area incorrectly, then award the marks without penalising.
7. Misread loses only the final accuracy mark but f.t. can be allowed on subsequent parts. The method marks can still be earned provided that the part question is not oversimplified.

Markers are reminded to jot down any remarks about the PAPER and the children's performance in particular questions. These remarks are to be included in the report each marker has to submit at the end of the marking exercise.

(A comments' sheet is supplied in order to help you compile this report.)