Junior Lyceum Entrance Examination into Form I - 2004
Mathematics Marking Scheme

Question			Requirements	Mark	Additional Guidance
1	a		1170	1	
	b		325	1	
	c		120 000	1	
	d		2047	1	
2	a		Correct shading of the diagram	1	
	b		6	1	
	c		$3\frac{7}{9}$	1	
	d		18	1	
3	a		5×6	1	
	b	i)		1	
		ii)	10	1	
		iii)	21	1	
4	a		0.007	1	
	b		Lm5.56	1	
	c		4m21cm	1	Do not accept 3 m 121 cm
	d		12.25 kg	1	
5	a		$\frac{7}{10}$	1	accept 0.7
	b		70	1	f.t.
	c		2.5 cm	1	
	d		Line drawn up to the 9 cm mark seen	1	
6	a		4 hours	1	
	b		5 hours	1	
	c		Any valid attempt	1	
			250 $m\ell$	1	
7	a		Attempt to subtract 36º from 180º seen or implied	1	
			144º	1	
	b		Dividing by 2 seen or implied	1	
			72º	1	f.t.
8	a		24 cm	1	
	b		20 cm^2	1	
	c		Cube	1	
	d		1	1	c.a.o.
9	a		06:15 or 6:15 am	1	
	b	i)	2 hours 30 minutes	1	
		ii)	Adding 5:15 to 08:45 seen or implied	1	
			14:00 or 2:00 pm	1	
10	a		20 000	1	
	b		4	1	
	c		Attempt to arrive at a solution	1	
			5	1	f.t.

Question			Requirements	Mark	Additional Guidance
11	a	i)	2 valid reasons	1	Both required correct
		ii)	6	1	±2 mm
	b		Only 2 symmetry lines asked for correctly drawn	2	−1 mark if ruler is not used
	c		Circle correctly drawn	1	
	d		3	1	f.t. ±1 mm
12	a	i)	1 ℓ	1	
		ii)	340 cm^2	1	
	b	i)	12 kg	1	
		ii)	Conversion to grams	1	
			Dividing by 60 seen or implied, 200 g	1, 1	f.t.
13	a		Roses – 30, Daisies – 20, Total – 95	1, 1, 1	
	b		Correct drawing of bars for Roses and Daisies	1, 1	f.t.
	c		950	1	f.t.
14	a		270º, 3	1, 1	
	b	i)	40º	1	±2º
			140º	1	±2º
		ii)	180º	1	c.a.o.
		iii)	A drawing of a triangle seen	1	
15	a		school	1	
			East, North	1, 1	
	b		East then South	1	
			South east	1	
	c		650	1	
16	a		14	1	
	b		3, 5	1, 1	
	c		7532	1	f.t.
	d		13, 17	1, 1	
17	a		July	1	
	b		Adding **and** dividing by 3, 38	1, 1	
	c		20, 16, 18 seen or implied	1	
			Adding **and** dividing by 3, 18	1, 1	
18	a		Attempt to find cost of 1 chair, Lm7	1, 1	
	b		Attempt to find cost of 1 table, Lm10	1, 1	f.t.
	c		Any correct method, Lm76	1, 1	f.t.
19	a		L × B × H seen or implied	1	
			Volume A = Volume of B = 1000 cm^3	1	both correct
			Valid attempt to find volume of C	1	
			1500 cm^3	1	f.t.
	b	i)	30 cm	1	
		ii)	Any valid reason	1	
20	a		Valid attempt to find 15 and 12	1	
			Multiplying results seen or implied	1	
			180	1	c.a.o.
	b		Adopting a correct strategy	2	
			45 cm	1	

Legend to Marking Scheme: **c.a.o.** correct answer only
f.t. follow through
o.e. or equivalent

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.)