

Junior Lyceum Entrance Examination into Form I - 2001
Mathematics Marking Scheme

Question	Requirements	Mark	Additional Guidance
1 i)	1002 , 1200, 2001, 2010, 2100	1	Smallest number seen first
		1	Remaining numbers in order
ii)	2001 seen	1	
	999	1	
2a i)	110	1	
ii)	1.6	1	
b	9	1	
	54	1	
3a	3 m	1	
b	2 kg	1	
c	Lm10	1	
d	60	1	
4a	Attempt to divide shape into equal parts	1	
	$\frac{3}{8}$	1	o.e.
b	$\frac{1}{2}$	1	o.e.
	$\frac{1}{8}$	1	o.e.
5a	525 cm	1	
b	9.2 cm	1	
c	1020 mL	1	
d	0.075 kg	1	accept .075
6	Attempt to multiply (by factors, by $100 \div 4$, by decomposition or long multiplication)	1	
	Intermediate working	2	-1eeoo
	Lm60	1	
7 i)	9 seen or implied	1	
	Rectangle with correct perimeter	1	
ii)	Valid attempt ($A=L \times B$ or counting squares)	1	
	c.a.o.	1	f.t.
8a	$\frac{16}{25} \times 100$ or any other valid method seen	1	
	64%	1	
b	Comparing 60% with 64%	1	or evaluating 60% of 25
	Monica	1	or changing 60% into $\frac{15}{25}$
9a	Valid attempt to find number	1	
	43	1	
b	Valid attempt to find number; 81	1, 1	

Question	Requirements	Mark	Additional Guidance
10 i)	08:00 – 1:45	1	Or any other valid method Accept 6:15 as answer Seen or implied Accept 5:45 as answer
	06:15	1	
ii)	05:15 + 30 min or 06:15 – 30 min	1	
	05:45	1	
11 i)	Attempt to use repeated subtraction method	1	– 1 eeo
	Intermediate working	3	
	24	1	
ii)	4	1	
12 i)	Attempt to divide	1	o.e. c.a.o. f.t.
	27c	1	
ii)	27c × 8 kg	1	
	Lm2.16	1	
iii)	Any valid method	1	
	Lm3.51	1	
13a	Attempt to find difference	1	f.t.
	7.7 cm	1	
b i)	Attempt to find volume	1	
	693 cubes	1	
ii)	595 cubes	1	
	98 cubes	1	
14a	225	1	±2°
b	3	1	
c	135	1	
d	N.E. or North East	1	
e i)	Obtuse	1	
ii)	125°	1	
15a	$\frac{6}{10}$	1	
	$\frac{60}{100}$	1	
	60%	1	
b i)	60%	1	
ii)	$\frac{60}{100} \times 50$	1	
	30	1	

Question	Requirements	Mark	Additional Guidance
16 i)	Clear indication of 26 1.3 km	1 1	
ii)	Conversion of 700 metres seen or implied 14 minutes	1 1	
iii)	Any valid attempt to find speed seen or implied. 3 km/h	1 1	e.g. 30 min \Rightarrow 1.5 km 60 min \Rightarrow 3 km
17a	Dividing diameter by 2 Correct drawing of circle	1 1	Seen or implied
b i)	$80^\circ + 75^\circ$ Subtracting from 180° 25°	1 1 1	
ii)	Scalene	1	
18a	9, 18 19, 38	1, 1 1, 1	
b	8	1	
c	7	1	
19 i)	$(8 \text{ m} \times 6 \text{ m}) \div 2$ 24 m^2	1 1	o.e.
ii)	$8 \text{ m} + 6 \text{ m} + 8 \text{ m} + 6 \text{ m}$ seen or implied Subtracting from 68 m Dividing by 4 10 m	1 1 1 1	o.e. c.a.o.
20 i)	Attempt to subtract 5:55 from 20:02 14 h 7 min	1 1 1	Do not award mark if 5:54 is subtracted from 20.03. correct hours f.t. correct minutes f.t.
ii)	Subtracting 20:02 from 24:00 Result added to 5:54 9 h 52 min	1 1 1	

Legend:

- c.a.o. correct answer only
- e.e.o.o. every error or omission
- 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 which 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.