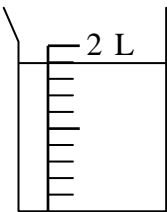# Education and Manpower Bureau
Territory-wide System Assessment 2007
Primary 6 Mathematics
Marking Scheme

Item No.	Answers	Mark	Remarks
1(a)	Thirty thousand seven hundred and five/Thirty thousand and seven hundred and five	1	Do not accept wrong spelling
1(b)	0/zero，0/zero respectively	2	1 mark for each correct answer, each answer is marked independently of each other, do not accept wrong spelling
2	21677	1	
3	$4\frac{1}{3}$ / $4.\dot{3}$	1	
4	$4\frac{7}{8}$ / 4.875	1	
5	$14\frac{1}{3}$ / $14.\dot{3}$	1	
6	25.56 / $25\frac{14}{25}$	1	
7	B	1	
8	1，2，19，38	1	Must be all correct, order of the answers is not important
9	Circle 324	1	
10	1/28 or 2/28 or 4/28 or 7/28 or 14/28 or 4/7 or 4/14	1	Markers have to verify that the 2 numbers given by students have 28 as their L.C.M.
11	4，90 respectively	2	1 mark for each correct answer, each answer is marked independently of each other
12	1.36	1	
13	3.47	1	
14	A	1	
15	67	1	
16	$64\frac{3}{4}$ / 64.75	1	
17	9.50	1	
18	36，30 respectively	1	Must be all correct
19	14.72	1	

Item No.	Answers	Mark	Remarks
20	Mum paid altogether $\$3400\times(1+\frac{5}{100})$ / $\$3400\times(1+5\%)$ $= \$3570$ or Delivery charges $\$3400\times\frac{5}{100} = \$170$ Mum paid altogether $\$(3400+170) = \$3570$	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (*please see remarks below) Presentation Mark (**please see remarks below)
21	Each person pays on average $\$48\times6\div8$ $= \$36$ or The cost of 6 barbecue food packs $\$48\times6 = \$288$ Each person pays on average $\$288\div8 = \$36$	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (*please see remarks below) Presentation Mark (**please see remarks below)
22	Circle "bananas"，100	1	Must be all correct
23(a)	$\frac{5}{8}$/0.625 L/*l*/litre/liter or 625 mL/m*l*/milliliter(s)/ milliliter(s)	1	Both numerical value and unit must be correct
23(b)	$\frac{3}{5}$/0.6 kg/Kg/kilogram or 600 g/gram(s)	1	Both numerical value and unit must be correct
24(a)	6，3 respectively	1	Must be all correct, accept any value within the range 5.9 to 6.1 and 2.9 to 3.1
24(b)	Follow-through the answers from part (a) to find the perimeter	1	
25(a)	A	1	
25(b)	D	1	
25(c)	Circle "Yes", because the perimeter of the square is four times the side of the square, whereas the circumference is just a bit larger than three times the side of the square.	1	Holistic marking, accept other reasonable explanations, but have to point out the relationship between the perimeter of the square and its side and also that between the circumference and the side of the square
26	17.5 / $17\frac{1}{2}$	1	

Item No.	Answers	Mark	Remarks
27	289	1	
28	57	1	
29	C	1	
30	The water level (should be a straight line, but need not be drawn with a ruler) must be clearly drawn at the 1.8 L mark on the beaker.	1	
31	C	1	
32	$1.75 / 1\frac{3}{4}$	1	
33	Hexagonal pyramid/6-sided pyramid，pentagonal prism/5-sided prism	2	1 mark for each correct answer, each answer is marked independently of each other, order of the answers is not important, do not accept wrong spelling
34(a)(i)&(ii)	Square，rhombus	2	1 mark for each correct answer, each answer is marked independently of each other, order of the answers is not important, do not accept wrong spelling
34(b)(i)&(ii)	Draw accurately a square and a rhombus on the given grids	2	1 mark for each correct answer, each answer is marked independently of each other, order of the answers is not important, do not accept an inclined square as a rhombus
35	B	1	
36	121	1	
37(a)	C	1	
37(b)	D，F，H or D，F or D only	1	Must be all correct, order of the answers is not important
37(c)	G	1	
37(d)	A	1	
38	45	1	
39(a)	south/S，north east/north-east/NE respectively	1	Must be all correct, do not accept wrong spelling
39(b)	south east/south-east/SE，south west/south-west/SW respectively	1	Must be all correct, do not accept wrong spelling
39(c)	north west/north-west/NW，Shopping Centre，north east/north-east/NE respectively	1	Must be all correct, do not accept wrong spelling for directions

Item No.	Answers	Mark	Remarks
40(a)	Ecological Trip，50 respectively	1	Must be all correct
40(b)	two / 2	1	
40(c)	180	1	
40(d)	$\dfrac{1}{6}$	1	
41(a)	25	1	
41(b)	83.3	1	
41(c)(i)	3	1	
41(c)(ii)	B	1	
42	Let the number be x. $4x\ +\ 36 = 84$ $4x\ +\ 36 - 36 = 84 - 36$ $4x = 48$ $\dfrac{4x}{4} = \dfrac{48}{4}$ $x = 12$ The number is 12. (Optional if the unknown is properly introduced.)	1 1* 1**	Must be solved by the method of solving equation, i.e. the "Principle of Equivalence" has been used. Method Mark: equivalent equations are also acceptable, e.g. 36+4x = 84, 84 = 4x+36, etc. Answer Mark (*please see remarks below) Presentation Mark (**please see remarks below)

Remarks:
*Answer Mark – (1) Just the correct answer without showing mathematical expression(s)/ equation(s), award the answer mark.
 (2) Mathematical expression(s)/equation(s) is/are incorrect, do not award the answer mark.
 (3) Poor presentation in the mathematical expression(s)/equation(s) or workings but correct answer given, award the answer mark.
**Presentation Mark: (1) Mathematical expression(s)/equation(s) is/are correct but wrong answer given, award the presentation mark.
 (2) Mathematical expression(s)/equation(s) is/are incorrect, do not award the presentation mark.
 (3) Presentation mark includes holistic assessment of mathematical expression(s)/equation(s), units (missing unit or wrong unit), explanation, statement/conclusion and use of symbols, etc.