Education and Manpower Bureau
Territory-wide System Assessment 2006
Primary 6 Mathematics
Marking Scheme

Item No.	Answers	Mark	Remarks
1	44	1	
2	829	1	
3	$5\frac{2}{7}$	1	
4	1，4，6 or 1，4，7 or 1，5，7 respectively	1	Must be all correct
5	$\frac{2}{5}$	1	0.4 is also acceptable
6	$2\frac{1}{3}$	1	$2.\dot{3}$ is also acceptable
7	3.18	1	$3\frac{9}{50}$ is also acceptable
8	B	1	
9	D	1	
10	$2\frac{1}{4}$	1	
11(a)	10 029	1	
11(b)	0	1	Follow through part (a), use the digit in the hundreds place of the answer of part (a) as the answer of part (b)
12	65.70	1	65.7 is also acceptable
13	7，14，21，35，63	1	Holistic marking, must be all correct
14	A	1	
15	D	1	
16	$\frac{3}{5}$	1	0.6 is also acceptable
17(a)	20	1	
17(b)	😀 , 😬	1	Holistic marking, must be all correct
18(a)	147.50	1	147.5 is also acceptable
18(b)	Yes, because for the 6 Persons Set Menu, the average cost per person is $145.80, which is cheaper than that of the 4 Persons Set Menu	1	Holistic marking, must be all correct; other reasonable explanations are also acceptable, but have to be supported by numerical data (e.g. comparing the costs for equal amount of food)

Item No.	Answers	Mark	Remarks
19(a)	$3\frac{3}{10}$	1	3.3 is also acceptable
19(b)	$11\frac{3}{10}$	1	11.3 is also acceptable
19(c)	$1\frac{1}{3}$	1	$1.\dot{3}$ is also acceptable
20	Accept any value within the range 21 to 24	1	
21	Number of packs of colouring pencils left $12 \times (72 - 58)$ $= 168$ or Number of packs of colouring pencils left $12 \times 72 - 12 \times 58$ $= 168$	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below) Presentation Mark (** please see remarks below)
22	The amount of concentrated orange juice she needs $0.2 \times 5.6 \div 0.8$ $= 1.4$ L	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below) Presentation Mark (** please see remarks below)
23(a)	15	1	
23(b)	Cash coupon, because cash coupon gives a bigger discount of 15% than the special discount of 10% or Cash coupon, because with the cash coupon the frying pan can be bought at $102, whereas with the special discount the frying pan can only be bought at $108	1	Holistic marking, must be all correct; other reasonable explanations are also acceptable, but have to be supported by numerical data (e.g. comparing discount or selling price)
24(a)	centimeters/centimetres/cm	1	Do not accept wrong spelling
24(b)	grams/g/gm	1	Do not accept wrong spelling
24(c)	kilometers/kilometres/km/Km	1	Do not accept wrong spelling
24(d)	litres/L/l	1	Do not accept wrong spelling

Item No.	Answers	Mark	Remarks
25	18	1	
26(a)	10	1	
26(b)	31.4	1	
27	84	1	
28	8.6	1	
29	The greatest number of pieces of square paper that can be cut (90 ÷ 5) × (30 ÷ 5) = 18 × 6 = 108 or The greatest number of pieces of square paper that can be cut 90 × 30 ÷ 25 = 108	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below) Presentation Mark (** please see remarks below)
30(a)	6	1	
30(b)	1500	1	
31	Water level at the 0.4 L/400 mL mark	1	The water level must be clearly drawn at the 0.4 L/400 mL mark
32	40	1	
33	720	1	
34	6，9，5 respectively	3	1 mark for each correct answer, each answer is marked independently of each other
35	C	1	
36	B	1	
37	$(2y - 100)$	1	$2y - 100$ is also acceptable
38	8	1	
39(a)	Shatin，600 respectively	1	Must be all correct
39(b)	60	1	
39(c)	500	1	
40(a)	Ecological Trip，40 respectively	1	Must be all correct
40(b)	2	1	
40(c)	6	1	

Item No.	Answers	Mark	Remarks
41(a)	500，300，400 respectively	1	Holistic marking, must be all correct
41(b)	Draw a bar chart with bars of heights 500, 300, 100 and 400 respectively; Title of bar chart – Number of pupils taking part in "IQ Fun Quiz"	1	Holistic marking, must be all correct; the width of all the bars must be the same and drawn at the appropriate positions on the horizontal axis; other suitable titles are also acceptable, but must include the wordings "IQ Fun Quiz" and "number of pupils taking part"
42	Let x be the number of apples originally in the box. $\dfrac{x}{3} - 6 = 24$ $\dfrac{x}{3} = 30$ $x = 90$ The number of apples originally in the box is 90. (Optional if the unknown is properly introduced, but have to take note of the unit of the answer.)	1 1[*] 1[**]	Must be solved by the method of solving equation, i.e. the "Principle of Equivalence" has been used. Method Mark: other acceptable equations are $24 = \dfrac{x}{3} - 6$, $\dfrac{x}{3} = 24 + 6$, 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, explanation, statement/conclusion and use of symbols (e.g. the equal sign), etc.