

Education and Manpower Bureau
Territory-wide System Assessment 2005
Primary 6 Mathematics
Marking Scheme

Question No.	Answers	Marks	Remarks
1	787	1	
2	0.43	1	
3	8.86	1	$8\frac{43}{50}$ is also acceptable
4	$\frac{2}{3}$	1	Do not accept $\frac{6}{9}$
5	$4\frac{1}{4}$	1	4.25 is also acceptable
6	Circle any 8 ice-cream cones	1	Holistic marking
7	$4\frac{1}{9}$	1	
8(a)	2	1	
8(b)	105	1	
9	$8\frac{1}{5}$	1	8.2 is also acceptable
10	B	1	
11	D	1	
12	1 , 2 , 4 , 8 , 16 , 32 , 64	1	Must be all correct, order of arrangement is not important
13	68	1	68.00 / 68.0 is also acceptable
14	3.64	1	
15	C	1	
16	B , C	1	Must be all correct, order of arrangement is not important
17	21	1	
18	<p>The amount of strawberries she bought is</p> $72.5 \div 50$	<p>1</p> <p>1*</p> <p>1**</p>	<p>Method mark: other correct methods are also acceptable</p> <p>Answer mark (*please see remarks below)</p> <p>Presentation mark (**please see remarks below)</p>
	<p>= 1.45 (kg)</p> <p>OR</p> $72.5 \div 50 = 1.45$ <p>She bought 1.45 kg of strawberries.</p>		

Question No.	Answers	Marks	Remarks
19	<p>The average price of one box of milk is $6.40 \times 3 \div 4 = \\4.80</p> <p>OR</p> <p>$6.40 \times 3 \div 4 = 4.80$ The average price of one box of milk is \$4.80.</p> <p>OR</p> <p>Without the special offer, the price of 3 boxes of milk is $6.40 \times 3 = \\$19.20$ With the special offer, the average price of one box of milk is $19.20 \div 4 = \\$4.80$</p>	<p>1</p> <p>1*</p> <p>1**</p>	<p>Method mark: other correct methods are also acceptable</p> <p>Answer mark (*please see remarks below)</p> <p>Other acceptable answers: \$4.8</p> <p>Presentation mark (**please see remarks below)</p>
20	<p>The percentage of the total number of collected old books that are textbooks is</p> $\frac{240}{240 + 312 + 48} \times 100\% = 40\%$ <p>OR</p> $\frac{240}{240 + 312 + 48} \times 100\% = 40\%$ <p>The percentage of the total number of collected old books that are textbooks is 40%.</p> <p>OR</p> <p>The total number of collected old books is $240 + 312 + 48 = 600$ The percentage of the total number of collected old books that are textbooks is $\frac{240}{600} \times 100\% = 40\%$</p>	<p>1</p> <p>1*</p> <p>1**</p>	<p>Method mark: other correct methods are also acceptable</p> <p>Answer mark (*please see remarks below)</p> <p>Presentation mark (**please see remarks below)</p>
21	4	1	
22	2.3	1	Acceptable range of answers: 2.3 to 2.35
23	3 , 12 respectively	1	Must be all correct
24	C	1	
25	3	1	Do not accept 3.14
26	12	1	
27	343	1	
28	540	1	

Question No.	Answers	Marks	Remarks
29	61	1	
30	8	1	
31	16	1	
32	3400	1	
33(a)	4	1	
33(b)	5	1	
34	2	1	
35	C	1	
36(a)	A , D	1	Must be all correct, order of arrangement is not important
36(b)	B , C , F	1	Must be all correct, order of arrangement is not important
37	7 , 12 , 7 respectively	3	1 mark for each correct answer, each answer is marked independently of each other
38	1200	1	
39	C , D	1	Must be all correct, order of arrangement is not important
40	$\frac{1}{20}$	1	0.05 is also acceptable
41(a)	1500	1	
41(b)	$\frac{1}{2}$	1	
41(c)	Electronic games and toy cars	1	Must be all correct, order of arrangement is not important, wrong spelling is acceptable
42	Bars of height 200 , 280 , 360 , 240 , 340 respectively	1	Holistic marking, the width of each bar should be the same, the bars should be equidistant from each other and drawn at the correct positions on the horizontal axis, must be all correct
43	$(18 - y)$	1	$18 - y$ is also acceptable
44	<p>Let the total number of toy cars Kelvin has collected be y.</p> $\frac{2y}{5} = 16$ $\frac{2y}{5} \times 5 = 16 \times 5$ $2y = 80$ $\frac{2y}{2} = \frac{80}{2}$ $y = 40$ <p>The total number of toy cars Kelvin has collected is 40. (Optional)</p>	<p>1</p> <p>1*</p> <p>1**</p>	<p>Must be solved by the method of solving equation, i.e. the “Principle of Equivalence” has been used</p> <p>Method mark, other acceptable equations:</p> $\frac{2}{5} y = 16$ $y \frac{2}{5} = 16$ <p>Answer mark (*please see remarks below)</p> <p>Presentation mark (**please see remarks below)</p>

Remarks: *Answer mark - (1) Just the correct answer without showing mathematical expression/equation, award the answer mark.
(2) Mathematical expression/equation is incorrect, do not award the answer mark.
(3) Poor presentation in the mathematical expression/equation or workings but correct answer given, award the answer mark.

**Presentation mark: (1) Mathematical expression/equation is correct, but wrong answer given, award the presentation mark.
(2) Mathematical expression/equation is incorrect, do not award the presentation mark.
(3) Presentation mark includes holistic assessment of mathematical expression/equation, units (missing unit or wrong unit), explanation, statement/conclusion and use of symbols, etc.