

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

Item No.	Answers	Mark	Remarks
1	12 , 14 respectively	1	Must be all correct
2	500	1	
3(a)	48	1	
3(b)	18	1	
4	D	1	
5	$1\frac{1}{12}$	1	$1.08\dot{3}$ is also acceptable
6	$2\frac{1}{2}$	1	2.5 is also acceptable
7	107.5	1	$107\frac{1}{2}$ is also acceptable
8	14.54	1	
9	tens , tenths respectively	2	1 mark for each correct answer, each answer is marked independently of each other; do not accept wrong spelling
10	D	1	
11	24 , 48	1	Must be all correct, order of arrangement is not important
12	1 , 2 , 4 , 8	1	Must be all correct, order of arrangement is not important
13	A , E	1	Must be all correct, order of arrangement is not important
14(a)	52	1	
14(b)	$1\frac{9}{25}$	1	
15	12.90	1	12.9 is also acceptable
16	1.7	1	
17	plain , 5.90 respectively	1	Must be all correct, 5.9 is also acceptable
18(a)	5.6	1	
18(b)	54.20	1	54.2 is also acceptable
19	1500	1	
20(a)	$31\frac{1}{2}$	1	31.5 is also acceptable
20(b)	$1\frac{1}{2}$	1	1.5 is also acceptable

Item No.	Answers	Mark	Remarks
21	$(399.9 + 90.8) \div 40$ $= 490.7 \div 40$ ≈ 12.27 She got 12 stamps altogether.	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below) Presentation Mark (** please see remarks below)
22(a)	40	1	
22(b)	285	1	285.00/285.0 is also acceptable
22(c)	B , 15 respectively	1	Must be all correct, 15.00/15.0 is also acceptable
23	Mr. Chan had to pay $5 \times 40 \div 8$ $= \$25$	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below), 25.00/25.0 is also acceptable Presentation Mark (** please see remarks below)
24	66	1	
25	A	1	
26(a)	0.35 L/l/litre or 350 mL/ml/millilitres	1	Do not accept wrong spelling
26(b)	1.75 L/l/litres or 1750 mL/ml/millilitres	1	Do not accept wrong spelling
27(a)	Wild Life	1	
27(b)	10 minutes to 4	1	The position of the hour hand must be between 3.5 and 4; the minute hand must be pointing 10 and longer than the hour hand
28	C	1	
29(a)	86	1	
29(b)	280	1	
30	1600 , 2 respectively	2	1 mark for each correct answer, each answer is marked independently of each other
31	Their cycling speed is $15 \div \frac{25}{60}$ $= 36 \text{ km/h}$	1 1* 1**	Method Mark: other correct methods are also acceptable Answer Mark (* please see remarks below) Presentation Mark (** please see remarks below)
32	B	1	

Item No.	Answers	Mark	Remarks
33(a)	B , C	1	Must be all correct, order of arrangement is not important
33(b)	A , D	1	Must be all correct, order of arrangement is not important
34(a)(i)	A	1	
34(a)(ii)	D	1	
34(a)(iii)	B , C	1	Must be all correct, order of arrangement is not important
34(b)	B , C , A , D respectively	1	Must be all correct
35(a)	south-east/South-East/southeast/ Southeast/SE , north-east/ North-East/northeast/Northeast/ NE respectively	1	Must be all correct, do not accept wrong spelling
35(b)	south-west/South-West/southwest /Southwest/SW , Desert/desert , north/North/N respectively	1	Must be all correct, do not accept wrong spelling
36	139	1	
37	17	1	
38(a)	December/Dec./Dec , 260 respectively	1	Must be all correct
38(b)	60	1	
38(c)	August , because the weather in July and August is the hottest, electric fans and air conditioners are switched on more often and therefore more electricity is used	1	Holistic marking, must be all correct; other reasonable explanations are also acceptable, but have to be related to the weather and the amount of electricity used
39(a)	Mon/Mon./Monday , 80 respectively	1	Must be all correct
39(b)	50	1	
39(c)	500	1	
40	Orange: 50 , Papaya: 90 , Grape: 60	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 vertical axis
41	C	1	

Item No.	Answers	Mark	Remarks
42	<p>Let \$x be the price of one tube of ping-pong balls.</p> $3x + 190 = 214$ $3x = 24$ $x = 8$ <p>The price of one tube of ping-pong balls is \$8. (Optional if the unknown is properly introduced, but have to take note of the unit of the answer.)</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. Method Mark: other acceptable equations are $214 = 3x + 190$, $3x = 214 - 190$, etc.</p> <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(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.