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

| Item <br> 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 | $4 \frac{1}{3} / 4.3^{\circ}$ | 1 |  |
| 4 | $4 \frac{7}{8} / 4.875$ | 1 |  |
| 5 | $14 \frac{1}{3} / 14.3$ | 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 | $\begin{aligned} & 1 / 28 \text { or } 2 / 28 \text { or } 4 / 28 \text { or } 7 / 28 \text { or } \\ & 14 / 28 \text { or } 4 / 7 \text { or } 4 / 14 \end{aligned}$ | 1 | Markers have to verify that the 2 numbers given by students have 28 as their L.C.M. |
| 11 | $0.07 / \frac{7}{100}$ | 1 |  |
| 12(a) | $\frac{3}{8}$ | 1 |  |
| 12(b) | $37.5 / 37 \frac{1}{2}$ | 1 | $37.5 \% / 37 \frac{1}{2} \%$ is also acceptable |
| 13(a) | 2.06 | 1 |  |
| 13(b) | $7.4 / 7 \frac{2}{5}$ | 1 | $7.4 \% / 7 \frac{2}{5} \%$ is also acceptable |
| 14 | 15 | 1 | 15\% is also acceptable |
| 15 | $24 \frac{2}{5}$ | 1 |  |
| 16 | $262.4 / 262 \frac{2}{5}$ | 1 |  |
| 17 | 5, 70 respectively | 1 | Must be all correct |


| Item <br> No. | Answers | Mark | Remarks |
| :---: | :---: | :---: | :---: |
| 18 | The cost of one chair $\begin{aligned} & =\$ \frac{3490-1990}{4} / \$(3490-1990) \div 4 \\ & =\$ 375 \end{aligned}$ <br> or <br> The cost of four chairs $=\$(3490-1990)=\$ 1500$ <br> The cost of one chair $\begin{aligned} & =\$ 1500 \div 4 \\ & =\$ 375 \end{aligned}$ | $\begin{gathered} 1 \\ 1^{*} \\ 1^{* *} \end{gathered}$ | Method Mark: other correct methods are also acceptable Answer Mark ( ${ }^{*}$ please see remarks below) <br> Presentation Mark ( ${ }^{* *}$ please see remarks below) |
| 19(a) | $1 \frac{17}{20} / 1.85$ | 1 |  |
| 19(b) | The amount of lychee dad picks $\begin{aligned} & =\left[\text { Answer of Part }(\mathrm{a})+2 \frac{1}{2}\right] \mathrm{kg} \\ & =4 \frac{7}{20} \mathrm{~kg} \end{aligned}$ <br> or <br> The amount of lychee dad picks $\begin{aligned} & =\left(3 \frac{1}{4}-1 \frac{2}{5}+2 \frac{1}{2}\right) \mathrm{kg} \\ & =4 \frac{7}{20} \mathrm{~kg} \end{aligned}$ | $\begin{gathered} 1 \\ 1^{*} \\ 1^{* *} \end{gathered}$ | Method Mark: other correct methods are also acceptable Answer Mark ( ${ }^{*}$ please see remarks below), 4.35 kg is also acceptable Presentation Mark ( ${ }^{* *}$ please see remarks below) |
| 20 | B, C | 1 | Must be all correct, order of the answers is not important |
| 21(a) | cm/centimetre(s)/centimeter(s) | 1 | Do not accept wrong spelling |
| 21(b) | L/l/litre(s)/liter(s) | 1 | Do not accept wrong spelling |
| 21(c) | $\mathrm{kg} / \mathrm{Kg} / \mathrm{kilogram}(\mathrm{s})$ | 1 | Do not accept wrong spelling |
| 21(d) | $\mathrm{mm} / \mathrm{millimetre}(\mathrm{s}) / \mathrm{millimeter}(\mathrm{s})$ | 1 | Do not accept wrong spelling |
| 21(e) | $\mathrm{g} / \mathrm{gram}(\mathrm{s})$ | 1 | Do not accept wrong spelling |
| 22(a) | half/30 minutes, one, circle "afternoon" respectively | 1 | Must be all correct, do not accept wrong spelling |
| 22(b) | Easy Life , 10 | 1 | Must be all correct |
| 22(c) | D | 1 |  |
| 23(a) | 112, 80 respectively | 1 | Must be all correct |
| 23(b) | 25, 30 respectively | 1 | Must be all correct |
| 24 | A, 300 respectively | 1 | Must be all correct |
| 25 | C | 1 |  |


| Item No. | Answers | Mark | Remarks |
| :---: | :---: | :---: | :---: |
| 26 | 15 | 1 |  |
| 27 | B, C, A respectively | 1 | Must be all correct |
| 28 | 25 | 1 |  |
| 29 | B | 1 |  |
| 30 | $1200 \mathrm{~cm}^{3} / \mathrm{cu} . \mathrm{cm} . /$ cubic centimetre(s)/cubic centimeter(s) | 1 | Both numerical value and unit must be correct, do not accept wrong spelling |
| 31(a) | 36 | 1 |  |
| 31(b) | The motorcycle travels $\begin{aligned} & 70 \times \frac{36}{60} / 70 \times \frac{\text { answer of } \operatorname{part}(\mathrm{a})}{60} \mathrm{~km} \\ & =42 \mathrm{~km} \end{aligned}$ <br> or <br> 36 minutes $=\frac{36}{60}$ hour $=0.6$ hour <br> The motorcycle travels $70 \times 0.6 \mathrm{~km}=42 \mathrm{~km}$ | $\begin{gathered} 1 \\ 1^{*} \\ 1^{* *} \end{gathered}$ | Method Mark: other correct methods are also acceptable Answer Mark (*please see remarks below) <br> Presentation Mark (** ${ }^{* *}$ lease see remarks below) |
| 32 | 440 | 1 |  |
| 33(a) | hexagonal pyramid/6-sided pyramid/6 sided pyramid | 1 | Do not accept wrong spelling |
| 33(b) | triangular prism/3-sided prism/3 sided prism | 1 | Do not accept wrong spelling |
| 33(c) | Sphere | 1 | Do not accept wrong spelling |
| 33(d) | cuboid/rectangular prism/4-sided prism/4 sided prism/quadrilateral prism | 1 | Do not accept wrong spelling |
| 34 | C | 1 |  |
| 35 | 540 | 1 |  |
| 36(a) | Circle "straight line(s)" and "curve(s)" | 1 | Mark holistically, must be all correct |
| 36(b) | Circle "straight line(s)", "curve(s)" and "parallel line(s)" | 1 | Mark holistically, must be all correct |
| 36(c) | Circle "straight line(s)" and "perpendicular line(s)" | 1 | Mark holistically, must be all correct |
| 37 | A | 1 |  |
| 38 | $16 \frac{1}{2} / 16.5$ | 1 |  |


| $\begin{gathered} \text { Item } \\ \text { No. } \end{gathered}$ | Answers | Mark | Remarks |
| :---: | :---: | :---: | :---: |
| 39 | Let the number of books John has be $x$. $\begin{aligned} 2 x-15 & =75 \\ 2 x-15+15 & =75+15 \\ 2 x & =90 \\ \frac{2 x}{2} & =\frac{90}{2} \\ x & =45 \end{aligned}$ <br> The number of books John has is 45. (Optional if the unknown is properly introduced.) | 1 $\begin{gathered} 1^{*} \\ 1^{* *} \end{gathered}$ | Must be solved by the method of solving equation, i.e. the "Principle of Equivalence" has been used. <br> Method Mark: equivalent equations are also acceptable, e.g. $2 x=75+15$ <br> Answer Mark (* ${ }^{*}$ please see remarks below) <br> Presentation Mark (** ${ }^{*}$ please see remarks below) |
| 40 | ```square(s), parallelogram(s), triangle(s)/right-angled triangle(s) /isosceles triangle(s)/isosceles right-angled triangle(s)``` | 3 | 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 |
| 41(a) | Searching for Information, 350 respectively | 1 | Must be all correct |
| 41(b) | 1000 | 1 |  |
| 41(c) | $\frac{1}{5}$ | 1 |  |
| 41(d) | 210 | 1 |  |
| 42 | Fill in the boxes with the correct numbers: from bottom to top 0 , $20,40,60,80$ respectively Complete bar chart: draw bars of heights 50,40 and 60 respectively | 1 1 | Mark holistically, must be all correct <br> Mark holistically, must be all correct, the width of all the bars must be the same and drawn at the appropriate positions on the horizontal axis |

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.

