# Education Bureau
# Territory-wide System Assessment 2010
# Primary 6 Mathematics
# Marking Scheme

| Item No. | Answers | Mark | Remarks |
|---|---|---|---|
| 1 | C | 1 | |
| 2 | C | 1 | |
| 3 | 1, 3, 9, 27, 81 | 1 | Must be all correct |
| 4(a) | 5 | 1 | |
| 4(b) | 45 | 1 | |
| 5(a) | 24, 48 | 1 | Must be all correct |
| 5(b) | 24 | 1 | |
| 6 | A, B, D | 1 | Must be all correct |
| 7(a) | $\dfrac{24}{13}$ | 1 | |
| 7(b) | $5\dfrac{1}{2}$ | 1 | |
| 8 | $\dfrac{9}{7}$ | 1 | |
| 9 | 882 | 1 | |
| 10 | 2.6 | 1 | |
| 11 | D | 1 | |
| 12 | 92 | 1 | |
| 13 | $1\dfrac{1}{3}$ | 1 | |
| 14 | $\dfrac{1}{100}$ | 1 | |
| 15 | 2.2 | 1 | Do not accept 2.20 |
| 16 | 143.1 | 1 | |
| 17 | $50 \times 3 \times \dfrac{1}{2}$<br><br>$= 75$<br><br>$\therefore$ They should pay \$75 altogether. | 1<br><br>1$^*$<br><br>1$^{**}$ | Method Mark: other correct methods are also acceptable<br>Answer Mark ($^*$please see remarks below)<br>Presentation Mark ($^{**}$please see remarks below) |
| 18(a) | 45 | 1 | |
| 18(b) | $2\dfrac{9}{25}$ | 1 | |

| Item No. | Answers | Mark | Remarks |
|---|---|---|---|
| 19(a) | 37.5 / 37.50 | 1 | |
| 19(b) | 50 − 8.9 − 37.5 <br><br> = 3.6 <br><br> ∴ She should get back $3.6. <br> OR <br> 50 − 8.9 − answer of part (a) <br> = 3.6 <br> ∴ She should get back $3.6. | 1 <br><br> 1* <br><br> 1** | Method Mark: other correct methods are also acceptable <br> Answer Mark (*please see remarks below) <br> Presentation Mark (**please see remarks below) |
| 20 | 2, 50 respectively | 1 | Must be all correct |
| 21 | 120 | 1 | |
| 22(a) | cm / centimetre | 1 | Do not accept wrong spelling |
| 22(b) | mL / m*l* / millilitre | 1 | Do not accept wrong spelling |
| 22(c) | g / gram | 1 | Do not accept wrong spelling |
| 23(a) | <u>3</u> : <u>25</u> | 1 | Must be all correct |
| 23(b) | 16 : 10 | 1 | Must be all correct |
| 24 | C | 1 | |
| 25 | B | 1 | |
| 26 | 22.5 | 1 | |
| 27(a) | 0.6 | 1 | |
| 27(b) | 450 | 1 | |
| 27(c) | Circle 'larger than' | 1 | |
| 28 | 2 | 1 | |
| 29 | km / h <br> OR <br> kilometre per hour | 1 | |
| 30(a) | 64 cm$^3$ | 1 | |
| 30(b) | 1 | 1 | |
| 31 | cylinder | 1 | Do not accept wrong spelling |
| 32(a) | diameter | 1 | Do not accept wrong spelling |
| 32(b) | Circle 'an isosceles' | 1 | |

| Item No. | Answers | Mark | Remarks |
|---|---|---|---|
| 33(a) | C | 1 | |
| 33(b) | A | 1 | |
| 34(a) | Circle 'straight lines', 'curves', 'parallel lines' | 1 | Must be all correct |
| 34(b) | Circle 'straight lines', 'parallel lines', 'perpendicular lines' | 1 | Must be all correct |
| 34(c) | Circle 'curves' | 1 | |
| 35(a) | west / W, south-east / SE respectively | 1 | Must be all correct, do not accept wrong spelling |
| 35(b) | north-west / NW | 1 | Do not accept wrong spelling |
| 36 | 11 | 1 | |
| 37 | B | 1 | |
| 38 | 2 | 1 | |
| 39 | Let Jack's pocket money be $x$. $\frac{2}{5}x - 80 = 10$ | 1 | Method Mark: other correct methods are also acceptable |
| | $\frac{2}{5}x = 90$ $x = 225$ | 1* | Answer Mark (*please see remarks below) |
| | ∴ Jack's pocket money is $225. | 1** | Presentation Mark (**please see remarks below) |
| 40(a) | fish ball, 700 respectively | 1 | Must be all correct |
| 40(b) | Circle 'not suitable'. | 1 | |
| | 'there will be too many pictures' OR 'the pictogram will not be easy to read' OR 'the pictogram will be too large to draw' | 1 | Accept any other reasonable answers |

| Item No. | Answers | Mark | Remarks |
|---|---|---|---|
| 41 | (1) Title: The Quantities of Organic Vegetables Consumed by Healthy Restaurant Last Week | 1 | Other suitable titles are also acceptable, but must include "Quantities of Organic Vegetables" and "Healthy Restaurant Last Week" |
|  | (2) 10, 20, 30, 40, 50, 60, 70, 80 | 1 | Must be all correct |
|  | (3) Construct bar chart: the heights of the bars must correspond to the data given in the table (48, 38, 72, 66) | 1 | Holistic marking, must be all correct. All the bars must be of the same width, evenly spaced out and drawn at the appropriate positions on the horizontal axis. |
| 42(a) | 33 | 1 |  |
| 42(b) | 31 | 1 |  |
| 42(c) | 32.2 | 1 |  |

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) incorrect: do not award the answer mark.

(3) Poor presentation in the mathematical expression(s)/equation(s) or working but correct answer given: award the answer mark.

\*\*Presentation Mark: (1) Mathematical expression(s)/equation(s) correct but wrong answer given: award the presentation mark as appropriate.

(2) Mathematical expression(s)/equation(s) incorrect: do not award the presentation mark.

(3) Presentation mark includes holistic assessment of mathematical expression(s)/equation(s), units (missing or wrong units), explanation, statement/conclusion and use of symbols, etc.