Education Bureau
Territory-wide System Assessment 2013
Primary 3
Mathematics

Instructions:
1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 39 questions in this test. Answer all questions.
3. Time allowed is 40 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:
(a) Multiple choice questions – Blacken the circle next to the correct answer with an HB pencil. For example:

- A
- B
- C
- D

(b) Questions in which you are asked to “Show your working” – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.

(c) Other types of questions – Answer as required in the spaces provided.
1. In which of the following numbers is the digit ‘1’ in the tens place?
   - A. 19456
   - B. 45619
   - C. 54691
   - D. 91456

2. The following table shows the numbers of primary teachers over the past three years.

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of primary teachers</td>
<td>22902</td>
<td>21905</td>
<td>21880</td>
</tr>
</tbody>
</table>

   Arrange the numbers of primary teachers from the smallest to the largest.

   Answer: ____________ , ____________ , ____________
   (Smallest) (Largest)

3. Write the number ‘46035’ in words.

   Answer: _______________ ____________________________

4. $73 + 803 = ___________
5. \(233 - 158 = \)  

6. \(529 - (289 - 137) = \)
   - A. 103
   - B. 203
   - C. 377
   - D. 477

7. \(7 \times 161 = \)  

8. \(612 \div 3 = \)  

9. \(151 \div 5 = \)
   - A. 31
   - B. 3...1
   - C. 30
   - D. 30...1

10. \(455 - 55 \times 3 = \)
    - A. 165
    - B. 290
    - C. 390
    - D. 1200
11. The weight of one piece of cake is 136 g. What is the weight of 4 pieces of cake?

Answer: The weight of 4 pieces of cake is _____ g.

12. Sandy buys a swimsuit and a pair of swimming goggles. She pays with a 500-dollar note. How much change should she get?

(Show your working)
13. Mr Wong divides a bag of sweets among 26 pupils. Each pupil gets 6 sweets and 17 sweets are left. How many sweets are there in the bag originally? (Show your working)

14. A florist can make 21 bouquets of flowers each day. How many bouquets can 6 florists make in one week?

- A. 126 bouquets
- B. 782 bouquets
- C. 842 bouquets
- D. 882 bouquets
15. Brian and his three friends take the train. Each of them pays ______ dollars and ______ cents on average.

16. William buys a pizza at the special price. He saves ______ dollars and ______ cents.
17. Jenny buys 12 sticks of roasted meat.

(a) \( \square \) of all the roasted meat is pork.

(b) Jenny eats \( \frac{1}{4} \) of all the roasted meat. That is ________ sticks of roasted meat.

18. The following diagram is made up of squares of equal size. Use a pencil to shade \( \frac{3}{7} \) of the whole diagram.
19. Fill in the boxes with suitable numbers.

(a) $1$ is equal to $\frac{\square}{\square}$.

(b) $\frac{5}{8}$ is smaller than $\frac{\square}{\square}$.

20. A robot costs $\underline{\square}$ dollar(s) and $\underline{\square}$ cent(s).

(b) John pays $\underline{\square}$ for the robot.

Circle the change returned by the shopkeeper.
21. Which of the following is most suitable for measuring the width of the remote control of a television?

- [ ] A.
- [ ] B.
- [ ] C.
- [ ] D.

22. Fill in the following blanks with suitable units.  
(a) The height of Lantau Peak is about 934 ________ .  
(b) A packet of ketchup weighs about 10 ________ .
23. Answer the following questions according to the calendar of December 2012.

- The school holds a Christmas party on the third Thursday of December.
  That day is the _________ of ___________.
  (month)

- Irene starts her Christmas holiday on the 22\textsuperscript{nd} of December. The last day of her Christmas holiday is the 30\textsuperscript{th} of December.
  She has _________ days for her Christmas holiday.

- The first day of 2013 is ___________.
  (day of the week)
24. (a) Mary goes home from the school at 3:25 PM. 

The time is _________ minutes * past / to _________ in the * morning / afternoon. (* Circle the answer)

(b) Mary reaches home at 4:15 PM. 

She takes _________ minutes to go home from the school.

25. The following is the timetable of shuttle buses departing from Happy Estate everyday.

<table>
<thead>
<tr>
<th>Departure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
</tr>
<tr>
<td>15:00</td>
</tr>
<tr>
<td>18:00</td>
</tr>
<tr>
<td>21:00</td>
</tr>
</tbody>
</table>

(a) The shuttle bus departs from Happy Estate every _________ minutes.

(b) The last shuttle bus departs at _________ : _________ * a.m. / p.m. (* Circle the answer)
26. Study the diagram above. Which of the following is correct?

- A. and weigh the same.
- B. is lighter than .
- C. is lighter than .
- D. The weights of and cannot be compared.

27. (a) weighs g.
(b) is g

* lighter / heavier than

(* Circle the answer)
28. Pour 1 L of water into the container X. The diagram below shows the result.

![Diagram of water in container X](image)

The capacity of the container X is
* smaller than / equal to / larger than 1 L.
(* Circle the answer)

29. Which of the following is most suitable for measuring the capacity of a teapot?

- [ ] A. 
- [ ] B. 
- [ ] C. 
- [ ] D.
30. The 3-D shape above is a
   - A. cone.
   - B. sphere.
   - C. cylinder.
   - D. pyramid.

31. The 3-D shape above is a
   - A. triangle.
   - B. rectangle.
   - C. prism.
   - D. pyramid.
32. Name the following quadrilaterals.

(a) Answer: _____________   (b) Answer: _____________

33. Follow the instructions. Write down all the letters for the answers.

List:
(a) Sphere(s): ________________
(b) Prism(s) / Cylinder(s): ________________
34. Cut along the dotted line in the hexagon above. You can get

- A. a quadrilateral and an isosceles triangle.
- B. a quadrilateral and a right-angled triangle.
- C. a pentagon and an isosceles triangle.
- D. a pentagon and an equilateral triangle.

35. Draw a straight line parallel to the line given in the figure below.
36. In the figure below, draw along the dotted lines to show a pair of perpendicular lines.

37. Which of the following angles is a right angle?

- A.
- B.
- C.
- D.
38. The community centre held a donation campaign. The pictogram below shows the number of boxes of items donated.

**Number of Boxes of Different Items Collected by the Community Centre**

(a) Among the donated items, _______________ has the largest number of boxes. There were _________ boxes.

(b) The number of boxes of water donated was _________ *more / less* than that of biscuits. (* Circle the answer)

(c) The community centre collected a total of _________ boxes of donated items.
39. Miss Lee did a survey on the favourite food for breakfast of P.3B pupils.

<table>
<thead>
<tr>
<th>Food for breakfast</th>
<th>Sandwich</th>
<th>Congee</th>
<th>Pancake</th>
<th>Toast</th>
<th>Bacon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>8</td>
<td>2</td>
<td>7</td>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

According to the result, complete the following pictogram and give it a title.

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(Title)

Each ⭕ stands for 1 pupil

Sandwich  Pancake  Bacon

— END OF PAPER —
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