Education Bureau
Territory-wide System Assessment 2015
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.

School Code 學校編號

Class 班別

Class No. 班號

此格只許填寫一個大楷英文字母
Write one capital letter in this box
1. In which of the following numbers is the digit ‘7’ in the thousands place?
   - A. 10 753
   - B. 17 661
   - C. 23 675
   - D. 79 052

2. The following table shows the number of people admitted to the Toy Fair in three days.

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of people</td>
<td>16 802</td>
<td>18 620</td>
</tr>
</tbody>
</table>

   Arrange the number of people from the smallest to the largest.
   Answer: ____________ , ____________ , ____________
   (Smallest) , (Largest)

3. Write ‘sixty-one thousand and twenty-four’ in numerals.
   Answer: ______________

4. \[387 + 177 = \] __________

5. \[889 - 492 = \] __________
6. \[757 - 53 - 161 = \]
   - A. 66
   - B. 166
   - C. 543
   - D. 643

7. \[127 \times 4 = \] ________

8. \[456 \div 3 = \] ________

9. \[317 \div 7 = \] ________

10. \[791 - (336 + 246) = \]
    - A. 209
    - B. 219
    - C. 582
    - D. 701
11. There are 23 balloons in each bunch. The total number of balloons in 8 bunches is _______.

12. There are a total of 541 branches of Happy Shop. Their locations are shown below.

<table>
<thead>
<tr>
<th>Area</th>
<th>Hong Kong Island</th>
<th>Kowloon</th>
<th>New Territories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of branches</td>
<td>67</td>
<td>?</td>
<td>252</td>
</tr>
</tbody>
</table>

How many branches of Happy Shop are there in Kowloon?
(Show your working)
13. Each sketch pad costs 18 dollars. At the art centre, there are 9 painting classes with 6 children in each class. Mr Ho buys a sketch pad for each child. How much does he have to pay altogether? (Show your working)

14. There are 700 kilograms of bamboo in a zoo. The pandas eat 32 kilograms of bamboo each day. After 7 days, ________ kilograms of bamboo are left in the zoo.

15. Each pen costs ________ dollars and ________ cents on average.

5 dollars for 2 pens
16. Mrs Wong makes 15 cups of jelly. $\frac{1}{3}$ of the whole are melon jelly and $\frac{1}{5}$ of the whole are pineapple jelly. The rest are lemon jelly.

(a) The number of cups of pineapple jelly is ________.

(b) $\frac{\phantom{0}}{\phantom{0}}$ of the whole are lemon jelly.

17. Which of the following has less than $\frac{1}{4}$ of the whole figure shaded?

- A. 
- B. 
- C. 
- D.
18. Fill in the boxes with suitable numbers.

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

(b) \( \frac{7}{8} \) is larger than \( \frac{\square}{\square} \).

19. In an orchard, \( \frac{3}{10} \) of all the fruit trees are orange trees, \( \frac{1}{10} \) of all the fruit trees are pear trees and \( \frac{3}{5} \) of all the fruit trees are apple trees.

Most of the fruit trees are
* orange / pear / apple trees.

(*Circle the answer)
20. Kitty pays the following amount for a hair clip.

![Image of coins: 5, 2, 2, 50, 20, 10]

(a) Kitty uses __________ 2-dollar coins.

(b) The price of the hair clip is
_________ dollars and __________ cents.

21. Below shows the athletic record of Anna. Fill in the following blanks with suitable units.

**Athletic Record**

Name: Anna Lee  
Sex: Female  
Height: 123 __________  
Weight: 33 __________  
Long jump: 1 m  
5 km Marathon: 2 hours
Which of the following is **NOT** suitable for measuring the distance between the sofa and the table?

A. [Image of extended arms]
B. [Image of finger]
C. [Image of hand]
D. [Image of foot]

Please do not write in the margin.
23. Answer the following questions according to the April calendar below.

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) Louis goes to the concert on the second Friday of April. The date is the _________ of ___________.

(b) The school Easter holiday is from the 8\textsuperscript{th} of April to the 17\textsuperscript{th} of April. It lasts for _________ days.

(c) The 3\textsuperscript{rd} of May is _______________.

(day of the week)
24. 

Time of the firemen setting off to the scene

(a) The clock above shows the time of the firemen setting off to the scene of a traffic accident at
_________ minutes to _________ in the afternoon.

(b) The firemen arrive at the scene at __________ PM. They take __________ minutes and __________ seconds to get there.

25. The table below shows the activity schedule of Funny playhouse.

<table>
<thead>
<tr>
<th>Starting Time</th>
<th>End Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>11:25</td>
<td>Story of Famous Person</td>
</tr>
<tr>
<td>11:30</td>
<td>12:35</td>
<td>Paper Folding</td>
</tr>
<tr>
<td>12:40</td>
<td>13:55</td>
<td>Playing Chess</td>
</tr>
<tr>
<td>14:00</td>
<td>15:25</td>
<td>Choir</td>
</tr>
<tr>
<td>15:30</td>
<td>16:55</td>
<td>Science for Fun</td>
</tr>
</tbody>
</table>

(a) ‘Choir’ ends at ________ minute(s) past _______ in the * morning / afternoon. (* Circle the answer)

(b) ‘Playing Chess’ lasts for _________ hour(s) and _________ minute(s).
26. The weight of the chicken may be

- A. 5 kg.
- B. 4 kg.
- C. 3 kg.
- D. 2 kg.

27. Arrange the amount of water in the three containers below, from the largest to the smallest. Write the letters for the answer.

Answer: (Largest), (Middle), (Smallest)
(a) weighs ____________________________.
   (Give your answer with a unit)

(b) is __________ g * lighter / heavier

   than __________. (* Circle the answer)
29. Which of the following tools is most suitable for measuring the capacity of a spoon?

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

30. The model below is made up of

- [ ] A. a prism and a pyramid.
- [ ] B. a prism and a cone.
- [ ] C. a cylinder and a pyramid.
- [ ] D. a cylinder and a cone.
31. Study the diagram above. Compare the heights of the three pupils.

Answer: * Paul / Mary / John is the tallest.

(* Circle the answer)

32. The 3-D shape above is a

- A. circle.
- B. cylinder.
- C. prism.
- D. cone.
33. Study the following 3-D shapes. Write down all the letters for the answers.

List:
(a) Pyramid(s) / Cone(s): ______________________
(b) Prism(s) / Cylinder(s): ______________________

34. In the figure below, draw along the dotted lines to show a pair of parallel lines.
In the diagram above, William drew a

- A. quadrilateral.
- B. trapezium.
- C. parallelogram.
- D. rhombus.
36. The angle in the diagram above is
* larger than / equal to / smaller than a right angle.
(* Circle the answer)

(b) Join the points P and Q with a straight line. You can form
* a right-angled / an isosceles / an equilateral triangle.
(* Circle the answer)

37. Which of the following 2-D shapes is a trapezium?

[Diagram of 2-D shapes]

O A.  O B.

O C.  O D.
Mr Chu did a survey of the number of P.3A pupils joining different General Studies activities. Each pupil chose one activity only.

**Number of P.3A Pupils Joining Different General Studies Activities**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Symbols</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthy Diet</td>
<td>☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️</td>
</tr>
<tr>
<td>Love Your Family</td>
<td>☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️</td>
</tr>
<tr>
<td>Little Farmer</td>
<td>☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️ ☺️</td>
</tr>
<tr>
<td>Recycle Team</td>
<td>☺️ ☺️ ☺️ ☺️</td>
</tr>
<tr>
<td>Green Life</td>
<td>☺️ ☺️ ☺️ ☺️ ☺️</td>
</tr>
</tbody>
</table>

Each 😊 stands for 1 pupil

(a) The most popular activity was ____________________.
There were _________ pupils.

(b) The number of pupils joining Recycle Team was _________ * more / less than that joining Healthy Diet.
(* Circle the answer)

(c) The total number of P.3A pupils joining different General Studies activities was ________.
39. The pupils of P.3B voted for their favourite teachers with one person, one vote.

(a) According to the record, complete the table below.

<table>
<thead>
<tr>
<th>Name of teacher</th>
<th>Ms Yip</th>
<th>Mrs Li</th>
<th>Mr Ho</th>
<th>Ms Man</th>
<th>Mr Ko</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record</td>
<td>🏆🏆</td>
<td>🏆🏆🏆</td>
<td>🏆🏆</td>
<td>🏆🏆</td>
<td>🏆🏆</td>
</tr>
<tr>
<td>Number of votes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(b) According to the results, complete the following pictogram.

**Favourite Teachers of P.3B Pupils**

Each ⬜️ stands for 1 pupil

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