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 37 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
〇 B
〇 C
〇 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. A 5-digit number is shown below. The digit ‘2’ is in the units place and the digit ‘3’ is in the ten thousands place. Fill in each blank with a suitable digit.

|   | 7 | 1 | 5 |   |

2. Write the number ‘56 509’ in words.

Answer: ____________________________________

3. Mr Yip uses the five number cards above to form three different 5-digit even numbers and arranges them from the largest to the smallest. The second number is 50 500. Fill in each blank with a suitable number.

Answer: ___________ , 50 500 , ___________

(Largest) (Smallest)

4. \[224 + 407 + 366 = \underline{\quad}\]
5. \[ 925 - 373 - 478 = \]
   - A. 74
   - B. 84
   - C. 174
   - D. 552

6. \[ 482 \times 2 = \]_______

7. \[ 127 \div 4 = \]
   - A. 30...7
   - B. 31
   - C. 31...3
   - D. 310...3

8. \[ 41 + 359 \times 2 = \]
   - A. 659
   - B. 749
   - C. 759
   - D. 800

9. Tom buys 9 dozen egg tarts. That is a total of
   _________ egg tarts.
Mr Chan chooses the Family Photo and Passport Photo packages. He pays ________ dollars altogether.

11. A charity organisation prepares 971 bags of rice for the elderly. Volunteer Team A gives out 402 bags of rice and Team B gives out 563 bags. The number of bags of rice left is ________.

12. Mr Lee needs 7 strawberries to make a cake. He has 356 strawberries. How many cakes can he make at most? How many strawberries are left? (Show your working)
13. At first, there are 632 ‘reusable lunch boxes’ in a school. There are 24 classes and the teacher buys 9 more boxes for each class today. The total number of ‘reusable lunch boxes’ is _________ now.

14. On Mother’s Day, a shopkeeper prepares 888 greeting cards for the customers. The shopkeeper gives out 247 greeting cards in the morning and 416 in the afternoon. How many greeting cards are left? (Show your working)

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

5 dollars for 2 pens

17. 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) \( \boxed{\phantom{0000}} \) of the whole are lemon jelly.
18. Which of the following has less than \( \frac{1}{4} \) of the whole figure shaded?

- A.
- B.
- C.
- D.

19. Fill in the boxes with suitable numbers.

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

(b) \( \frac{7}{8} \) is larger than \( \frac{\square}{\square} \).
20. 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)

21. The table below shows the schedule of departure flights from Hong Kong. Write down the departure time of the following two flights by using “24-hour time”.

(a) The flight JP601 to Tokyo will depart at eleven o’clock in the morning.
(b) The flight HA721 to Shanghai will depart at fifteen minutes to six in the afternoon.

<table>
<thead>
<tr>
<th>Departure Time</th>
<th>Flight</th>
<th>Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:40</td>
<td>KP283</td>
<td>Melbourne</td>
</tr>
<tr>
<td><em><strong><strong>:</strong></strong></em>_</td>
<td>JP601</td>
<td>Tokyo</td>
</tr>
<tr>
<td><em><strong><strong>:</strong></strong></em>_</td>
<td>HA721</td>
<td>Shanghai</td>
</tr>
<tr>
<td>23:45</td>
<td>LB650</td>
<td>London</td>
</tr>
</tbody>
</table>

(c) Thomas will take the flight LB650 to London. The time now is 20:30. There are still ______ hours and ______ minutes before the departure time.
22. Study the map of railway stations below and answer the following questions.

(a) The shortest route from Beach Station to Funny Station is_________ km.

(b) It is only 6 km from Airport Station to Central Station passing ___________ Station.
23. Which of the following is most suitable for measuring the distance between the two eyes of Judy?

- A. 
- B. 
- C. 
- D. 

24. Linda pays the following amount for a skirt in a department store. 

(a) Linda uses _______ 100-dollar notes. 

(b) The price of the skirt is _________ dollars.
25. Compare the height of the poles below. Arrange them from the tallest to the shortest. Write the letters for the answer.

Answer: _____, _____, _____, _____
(Tallest) (Shortest)

26. Which of the following tools is most suitable for measuring the weight of a man?

○ A.

○ B.

○ C.

○ D.
27. Mrs Cheung orders a wardrobe in a furniture store. Fill in the following blanks with suitable units.

**Furniture Design**

Height of wardrobe: 2 _________

Weight of wardrobe: about 22 _________

28. The capacity of _________ mL.

The capacity of _________ mL.
29. Which of the following 2-D shapes is a trapezium?

- A.
- B.
- C.
- D.

30. Study the following 3-D shapes. Write down all the letters for the answers.

List:
(a) Sphere(s): ____________________
(b) Prism(s): ____________________
Judy cuts the triangle above along the dotted line. She gets

- A. an isosceles triangle and an equilateral triangle.
- B. an equilateral triangle and a right-angled triangle.
- C. two isosceles triangles.
- D. two right-angled triangles.
32. Study the 2-D shapes below. Write down all the letters for the answers.

List:
(a) Rectangle(s): __________________
(b) Pentagon(s): __________________

A  B  C  D  E
33. A teacher puts different figures on a whiteboard.

He puts 🍎 on the right of 🍒.

(a) 🍎 is

* above / under / on the left of / on the right of 🍒.

(* Circle the answer)

(b) * 🍎 / 🍒 / 🍒 is on the left of 🌟.

(* Circle the answer)
34. Study the 2-D shapes below. Write down all the letters for the answers.

List:
(a) Figure(s) with curves only: __________________
(b) Figure(s) with straight lines and curves: __________________
(a) Garden is to the _______________ of Green Belt.
(direction)

(b) Starting from Garden, Paul goes _______________
(direction)

to Climbing Zone. He then turns _______________
(direction)

to reach Rope Net.
36. The pupils of P.3C voted for their favourite tourist attraction with one person, one vote. The results are as follows:

<table>
<thead>
<tr>
<th>Tourist attraction</th>
<th>The Peak</th>
<th>The Big Buddha</th>
<th>Stanley Market</th>
<th>Avenue of Stars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>2</td>
<td>7</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

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

(The Title)

Each circle stands for 1 pupil

The Big Buddha

Stanley Market

Go on to the next page
37. Five pupils joined the tree planting activity. The following pictogram shows the number of trees planted by each of the pupils.

Number of Trees Planted by Five Pupils

Each 🌳 stands for 1 tree

<table>
<thead>
<tr>
<th></th>
<th>Jenny</th>
<th>Ken</th>
<th>Mandy</th>
<th>John</th>
<th>Sally</th>
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</table>

(a) Among the five pupils, *Jenny / Ken / Mandy / John / Sally* planted the least number of trees. He / She planted ________ trees. (*Circle the answer)

(b) The number of trees that Ken planted was ________ *more / less* than that of Sally. (*Circle the answer)

(c) Each pupil who plants 10 trees or more will get a badge. According to the pictogram, who will get a badge? Why?

Answer: *Jenny / Ken / Mandy / John / Sally* (*Circle the answer) will get a badge because ________________________________

— END OF PAPER —