Education Bureau
Territory-wide System Assessment 2010
Primary 3
Mathematics

Instructions:
1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 36 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 space provided.

School Code
學校編號

Class
班別

Class No.
班號

Write one capital letter in this box
此格只許填寫一個大楷英文字母
1. In the number 30 009, what does ‘3’ stand for?
   - A. Thirty
   - B. Three hundred
   - C. Three thousand
   - D. Thirty thousand

2. Which of the following is ‘fifty thousand and three hundred’?
   - A. 5 030
   - B. 5 300
   - C. 50 300
   - D. 53 000

3. Write in numerals the number shown on the above abacus.
   Answer: __________

4. \(82 + 98 = \) ________

5. \(308 - 173 - 73 = \) ________
6. Which of the following is correct?

○ A. \(7 \div 749 \equiv \frac{17}{7}

○ B. \(7 \div 749 \equiv \frac{17}{7}

○ C. \(7 \div 749 \equiv \frac{107}{7}

○ D. \(7 \div 749 \equiv \frac{170}{7}

7. \(8 \times 260 = \)

8. \(870 \div 3 = \)

9. \(7 \times 123 - 681 = \)

10. Mother divides a cake into 6 equal pieces. Peter eats 2 pieces. What fraction of the cake does Peter eat?

Answer: Peter eats \( \frac{2}{6} \) of the cake.
11. The diagram below is made up of squares of the same size. Some of the squares are shaded. Use a pencil to shade the rest of the squares, so that $\frac{11}{15}$ of the whole diagram is shaded.

![Diagram of squares with some shaded.]

12. Kitty has one . After she buys a cartoon book for 36 dollars and 50 cents, she still has ________ dollars and ________ cents left.

13. In the garden, there are 175 apple trees, 137 orange trees and 168 pear trees. The total number of trees in the garden is ________.

14. Mr Wong buys 9 boxes of pencils for $504. The price of each box of pencils is $_______ on average.

15. Arrange the following fractions from the largest to the smallest.

$$\frac{9}{19}, \frac{9}{10}, \frac{9}{13}$$

Answer: ________, ________, ________

(Largest) (Smallest)
16. A shopkeeper gets $912 by selling newspapers. The price of a newspaper is $6. How many newspapers does he sell? (Show your working)

17. The price of a bottle of soft drink is $8. Fiona pays $50 for 3 bottles of soft drink. How much change should she get? (Show your working)
18. There are 103 passengers on a bus when it leaves the terminal. When the bus arrives at the next stop, 18 people get on and 4 people get off. The number of passengers left on the bus is ________.

19. Mother buys some fun fair tickets and pays:

![Image of notes]

She pays a total of

_______ dollar(s) and _______ cent(s).
20. Which of the following items is the most suitable to be measured with 'stride length'?

- A. Height of a wardrobe
- B. Distance between two buildings
- C. Length of a pupil's desk
- D. Width of a carton of drink
21. Which of the following measuring tools is the most suitable for measuring the length of a railway platform?

- A. Trundle wheel
- B. Tape measure
- C. Measuring tape
- D. Metre rule

22. Write down the suitable measuring unit in each of the following.

(a) The height of a big wheel is about 105 ________.

(b) A shuttlecock weighs about 5 ________.

(c) The thickness of a mobile phone is about 9 ________.

(d) Children over 1 ________ tall must buy a ticket for admission to the cinema.
23. Mr Wong went to Singapore from Hong Kong by aeroplane.

![Clocks showing departure and arrival times]

(a) He departed at ________ minute(s) to ________ in the morning.

(b) He arrived in Singapore in the afternoon of the same day. Write the arrival time using the ‘24-hour time’. The time was ________ : ________.

(c) It took him ________ hours and ________ minutes to travel from Hong Kong to Singapore.

24. By cutting along the dotted line in the figure shown on the right, we can get two

- O A. right-angled triangles.
- O B. equilateral triangles.
- O C. isosceles triangles.
- O D. scalene triangles.
Study the diagrams above. Which of the following is correct?

- A. \(\heartsuit\) is heavier than \(\triangle\).
- B. \(\bullet\) is lighter than \(\heartsuit\).
- C. \(\heartsuit\) is lighter than \(\triangle\).
- D. \(\bullet\) and \(\triangle\) weigh the same.
26. Study the diagrams above. Which of the following is correct?

- A. The amount of water in beaker P is the largest.
- B. The amount of water in beaker Q is the largest.
- C. The amount of water in beaker R is the largest.
- D. The amount of water in beakers P, Q and R is the same.

27. Name the following 3-D shapes.

(a) Answer: ____________  (b) Answer: ____________

(c) Answer: ____________  (d) Answer: ____________
28. Follow the instructions. Write down the letter(s) for the answers.

List:
(a) Pentagon(s): ____________________
(b) Trapezium(s): ____________________

29. Name the following 2-D shapes.

(a) Answer: __________  (b) Answer: __________
30. Draw a straight line perpendicular to the straight line in Figure 1.

![Figure 1](image)

Draw a straight line parallel to the straight line in Figure 2.

![Figure 2](image)

31. In the figure below, draw on the dotted lines to show one right angle.

![Diagram](image)
32. Follow the instructions. Write down the letter(s) for the answers.

List:
(a) Figure(s) made up of straight lines only:

(b) Figure(s) made up of curves only:

(c) Figure(s) made up of straight lines and curves:

33. Arrange the angles A, B, and C in the diagrams below in order, from the largest to the smallest.

Answer: ________, ________, ________
(Largest) (Smallest)
34. Study the figure below and answer the following questions.

- Quicksand
- Rope Bridge
- Tent
- Crocodile Pond
- Stream
- Swamp
- Waterfall
- Forest

(a) Tent is to the _______ of Rope Bridge.  
(direction)

(b) Waterfall is to the west of ________________.

(c) David is going from Forest to Crocodile Pond.
He first goes __________, passes
(direction)
______________, and then goes __________
(direction)

to reach Crocodile Pond.
35. During the PE lesson, the pupils run around the playground. The following pictogram shows the number of laps finished by five pupils.

**Number of laps around the playground finished by pupils**

Each shoe stands for 1 lap

<table>
<thead>
<tr>
<th>Nancy</th>
<th>Paul</th>
<th>Rose</th>
<th>Mimi</th>
<th>Raymond</th>
</tr>
</thead>
</table>

(a) Nancy runs around the playground for ________ laps.

(b) Who finishes most laps?
Answer: ____________ finishes most laps.

(c) The number of laps finished by Mimi is _________ lap(s) *more / less than that of Raymond.
(*Circle the answer)

(d) A pupil has to finish 6 laps or more in order to join the sports team. Who can join the sports team?
Answer: *Nancy / Paul / Rose / Mimi / Raymond can join the sports team.
(*Circle all the answers)
36. The head teacher counted the number of pupils who went to the medical room last week.

<table>
<thead>
<tr>
<th>Weekday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

According to the above table, complete the pictogram below and give it a title.

(Title)

Each 😞 stands for 1 pupil

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END OF PAPER ---