Education and Manpower Bureau
Territory-wide System Assessment 2006
Primary 3
Mathematics

Instructions:
1. There are 36 questions in this test.
2. Answer all questions.
3. The time allowed is 40 minutes.
4. Use of calculators is not allowed.
5. Write your answers in this question booklet.
   (a) Multiple choice questions:
      Mark your answers by putting a "✓" in the "○", e.g.:
      \[
      2 + 3 = \quad \begin{array}{llll}
      \bigcirc & A. 4 & \checkmark & B. 5 \quad \bigcirc & C. 6 \quad \bigcirc & D. 7 \\
      \end{array}
      \]
   (b) Questions in which you are asked to "Show your working":
      Write your mathematical expressions, answers and
      statements/conclusions in the space provided. There is
      NO need to show your rough work.
   (c) Other types of questions:
      Answer as required in the space provided.
6. Do your rough work on the rough work sheet provided.
7. Write your School Code, Class and Class Number in the spaces
   below.

\[\begin{array}{cccc}
\text{School Code} & \phantom{3} & \text{Class} & 3 \\
\text{學校編號} & \phantom{3} & \text{班別} & 3 \\
\text{(5)} & \phantom{3} & \text{Class No.} & \phantom{3} \\
\text{班號} & \phantom{3} & \text{(11)} & \phantom{3}
\end{array}\]

Write one capital letter in this box
此格只許填寫一個大楷英文字母

2006-TSA-MATH-3ME4-1
1. Write the number "forty thousand and five hundred" in numerals.
   Answer: ______________

2. With the given 5 beads, what is the largest 5-digit **odd** number that can be shown on the abacus? Draw the beads on the abacus to show your answer.

   
   
   
   
   
   
   
   
   

3. $389 + 110 + 372 = \underline{1071}$

4. $572 - 363 = \underline{209}$

5. $\underline{516} \times 516 = 516 \times 3$

6. $17 \times 3 \times 5 = \underline{255}$

7. $129 \div 3 = \underline{43}$

8. $698 - (143 + 235) =$
   - A. 378
   - B. 790
   - C. 320
   - D. 1076

   (19)
9. \[ 105 - 5 \times 4 = _____ \]

10. There are 945 books in the mobile library. Today, 367 books were borrowed and 104 books were returned. What is the number of books in the mobile library now?

   - A. 682
   - B. 474
   - C. 1208
   - D. 692

11. Sally had 500 bags of cookies. She sold many of them for charity and was left with 320 bags of cookies. How many bags of cookies did she sell?

   Answer: She sold _______ bags of cookies.

12. 263 pupils join the School Easter Party. Each pupil will receive one Easter egg. There are 6 eggs in each box. At least how many boxes of Easter eggs does the school need to buy?

   (Show your working)
### 13.

<table>
<thead>
<tr>
<th>Slippers</th>
<th>Children’s Shoes</th>
<th>Sandals</th>
<th>Sports Shoes</th>
</tr>
</thead>
<tbody>
<tr>
<td>$49 a pair</td>
<td>$135 a pair</td>
<td>$219 a pair</td>
<td>$385 a pair</td>
</tr>
</tbody>
</table>

My brother and I are shopping with father and mother.

(a) Mother buys me a pair of slippers and a pair of children’s shoes. How much change should she get if she pays with a $500 note?

(Show your working)

(b) My brother wants to buy a pair of sports shoes but he only has $320. Father gives him $100. He should have $ ______ left after buying the sports shoes.
14. The following three fractions are arranged from the smallest to the largest. What number can be put into the box? List all the possible numbers.

\[
\begin{align*}
\frac{6}{11} & \quad ? & \quad \frac{9}{11} \\
& \text{(smallest)} \quad & \quad \text{(largest)}
\end{align*}
\]

Answer: All the possible numbers that can be put into the box are ______________ .

15. On Sports Day, 12 scouts are on duty. \( \frac{1}{4} \) of the scouts are responsible for the flag raising ceremony. The rest are responsible for keeping order.

(a) Circle the number of scouts who are responsible for the flag raising ceremony.

(b) How many scouts are responsible for keeping order?

Answer: _______ scouts

16. My mother and I went to Cheung Chau by ferry. The total fare we paid was as follows:

The total fare was _______ dollars and _______ cents.
17. (a) 8 5 can be exchanged for ____.
(b) 10 10 can be exchanged for ____.
(c) 3 1 can be exchanged for ____ 20.

18. Some animals are comparing each other's height.

Lion  Rabbit  Zebra  Buffalo  Elephant  Giraffe

(a) The __________ is shorter than the elephant but taller than the buffalo.
(b) If all the animals line up in order, from the tallest to the shortest, the __________ is in the fifth place.

19. Fill in each of the following blanks with a suitable unit of length.
(a) The height of The Peak is about 554 ________.
(b) The length of a $1.40 Hong Kong stamp is about 35 ________.
(c) The Airport Express railway is about 35 ________ long.
(d) The length of an 'Octopus Card' is about 9 ________.
20. **February**

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
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<td>1</td>
<td>2</td>
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<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) I will take part in the Talent Show on the second Saturday in February. The date of the Talent Show is the ______ of _____________.

(month)

(b) My father will go to Thailand on the fourth Thursday in February for a 5-day tour. The date of his return is the ______ of _____________.

(month)

(c) This year is a *common year/leap year* (*circle the correct answer*), which has ______ days.

21. The weight of the chicken is ___________ (give your answer with a unit).
22. **Children’s World Order Price**

<table>
<thead>
<tr>
<th>Each Issue</th>
<th>$24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail Fees</td>
<td>Half a Year $30</td>
</tr>
<tr>
<td></td>
<td>One Year $60</td>
</tr>
</tbody>
</table>

May wants to order a total of 6 issues of Children’s World for half a year. Together with mail fees, how much does she have to pay? (Show your working)

23. The rectangle shown above is cut along the dotted lines into four triangles. What kind of triangles are these?

Answer: All these are ____________ triangles.
24. The timetable below shows part of the programme schedule of Globe TV on Monday.

<table>
<thead>
<tr>
<th>Time</th>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>News and Weather</td>
</tr>
<tr>
<td>13:30</td>
<td>ETV</td>
</tr>
<tr>
<td>15:00</td>
<td>Wild Life</td>
</tr>
<tr>
<td>15:50</td>
<td>Cartoon</td>
</tr>
<tr>
<td>17:30</td>
<td>Soccer</td>
</tr>
</tbody>
</table>

(a) The time now is half past three in the afternoon. The programme showing on TV is _________.

(b) Draw the hour hand and minute hand on the clock face to show the time at which the Cartoon programme begins.

25. In the figure below, containers A and C are full of fruit juice, and container B is only partly filled. Which container holds the least amount of fruit juice? How much fruit juice is there in this container?

Answer: Container _____ holds the least amount of fruit juice and the amount is ____________ (give your answer with a unit).
26. Ben has made a model car with 3-D shapes. Fill in the boxes with the names of the 3-D shapes.

(a) 
(b) 
(c) 
(d) 

27. Study the following objects. Write the letter(s) for the answer.

(a) Sphere(s): 
(b) Prism(s): 
(c) Cylinder(s): 

A
B
C
D
E
F
G
H
28. Study the following 2-D shapes. Write the letter(s) for the answer.

(a) Circle(s): ____________

(b) Triangle(s): ______________

(c) Square(s): ________________

29.

Which of the above 2-D shapes are parallelograms?

Answer: ________________
30. In the following figures, draw a pair of parallel lines and perpendicular lines by joining the dotted lines.

(a) parallel lines

(b) perpendicular lines

31.

How can Peter find his way to the Exit of the maze?
(Fill in each of the blanks below with a direction: east, south, west or north.)

Answer: He should first go ________, then ________. Finally, he should go ________ to get out of the maze.
32. Which of the following are right angles? Write the letters for the answer.

Answer: ____________

33. In the figure below, add two straight lines to form a trapezium with the two given straight lines.
34. The pupils of Class 3D were choosing a classmate among Carrie, Tim, Sally and May to take part in the school drama.

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

<table>
<thead>
<tr>
<th>Pupil</th>
<th>Carrie</th>
<th>Tim</th>
<th>Sally</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record</td>
<td></td>
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(b) According to the above data, complete the pictogram below.

Voting for a Classmate for the School Drama

Each 😊 represents 1 pupil

😊😊
😊
😊

Carrie Tim Sally May
35. Miss Tsui did a survey on what Class 3C pupils do with their old toys.

**What Class 3C Pupils Do With Their Old Toys**

Each 🎀 represents 1 pupil

<table>
<thead>
<tr>
<th>Give to charity</th>
<th>Throw away</th>
<th>Give to others</th>
<th>Store away</th>
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<tbody>
<tr>
<td>🎀</td>
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(a) There are four ways that pupils do with their old toys. Which way is least used?

Answer: The way is ____________________ .

(b) What is the total number of pupils who give away their old toys to charity or to others?

Answer: The total number is ________ .
36. The class teacher of P.4B did a survey on the pupils' late records in the first term.

Late Records of P.4B in the First Term

Each 🙁 represents 1 pupil

| 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 | 🙁 |
| No late record | Late once | Late twice | Late 3 times | Late 4 times |

(a) How many pupils in the class had no late record?
Answer: ________ pupils

(b) How many more pupils are there who had a late record than those who had no late record?
Answer: ________ more pupils

(c) Pupils with three or more late records will be warned by the school. How many pupils have been warned?
Answer: ________ pupils

— END OF PAPER —