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.:
       \[ 2 + 3 = \]
       ○ A. 4  ✓ B. 5  ○ C. 6  ○ D. 7
   (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.

<table>
<thead>
<tr>
<th>School Code</th>
<th>Class</th>
<th>Class No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>學校編號</td>
<td>3</td>
<td>班號</td>
</tr>
<tr>
<td>(5)</td>
<td></td>
<td>(11)</td>
</tr>
</tbody>
</table>

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

2006-TSA-MATH-3ME3-1
1. Three candidates ran for a seat in a District Council Election. The results of the votes were as follows.

<table>
<thead>
<tr>
<th></th>
<th>Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Chan</td>
<td>32 740 votes</td>
</tr>
<tr>
<td>Ann Lee</td>
<td>37 240 votes</td>
</tr>
<tr>
<td>Paul Cheung</td>
<td>30 247 votes</td>
</tr>
</tbody>
</table>

(a) Arrange the **numbers of votes** the candidates got from the greatest to the smallest.

<table>
<thead>
<tr>
<th>Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37 240 votes</td>
</tr>
<tr>
<td>32 740 votes</td>
</tr>
<tr>
<td>30 247 votes</td>
</tr>
</tbody>
</table>

(greatest) (smallest)

(b) Who was elected as a member of the District Council?

Answer: ____________ was elected as a member.

2. In the number 83 526,

(a) the digit ‘5’ is in the ____________ place, and

(b) the value of the digit ‘3’ is ____________.

3. $577 + 680 = 680 + __________$

4. $503 - 284 = __________$

5. $125 \times 8 = __________$

6. $407 \div 8 = ____________
7. $320 + 491 - 502 =$

8. $200 + 32 \times 8 =$
   - A. 256
   - B. 446
   - C. 456
   - D. 1856

9. Jenny and I took part in a fund-raising activity. Jenny raised $133 and I raised $86. Altogether we raised $\underline{219}$.

10. The Sports Centre runs a windsurfing course and 120 persons have joined the course. If there are 8 persons in one class, then the Centre needs to run $\underline{15}$ classes.

11. Alice and Sam together buy two Chicken Spaghetti tea sets.
   (a) The price of the second Chicken Spaghetti tea set is $\underline{121}$ dollars and $\underline{05} cents.
   (b) Altogether they have to pay $\underline{342}$ dollars and $\underline{00}$ cents.
12. John bought something for his dog in a pet shop. By mistake, he tore the receipt. How much was the dog shirt?
(Show your working)

<table>
<thead>
<tr>
<th>Smiley Pet Shop Receipt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dog food $128</td>
</tr>
<tr>
<td>Dog chain $75</td>
</tr>
<tr>
<td>Dog shirt</td>
</tr>
<tr>
<td>Total $460</td>
</tr>
</tbody>
</table>

13. Father, mother, sister and I join the Macau 2-day tour. How much do we pay altogether?
(Show your working)

**Macau 2-day Tour**
Price: **$369** each
(Same price for adults and children)
14. The original price of a phonics machine is 670 dollars and 50 cents. In a sale, the price is reduced by 50 dollars.

(a) Write the reduced price on the price tag.

(b) Peter is taking Putonghua lessons and his mother bought him a phonics machine at the reduced price. How much did she pay? Circle the money for your answer.

15. Which of the following figures have $\frac{1}{3}$ shaded?

Answer: ____________
16. Fill in the boxes with the correct numbers.

\[
1 = \frac{\ \_\ }{13} = \frac{8}{\ \_\ }
\]

1 mark (35)

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

\[
\frac{13}{15}, \frac{7}{15}, \frac{11}{15}
\]

Answer: \[
\begin{array}{ccc}
\_ & \_ & \_ \\
(smallest) & (largest)
\end{array}
\]

1 mark (36)

18. Mary wants to make a shirt for her son. She needs to take his body measurements. Which of the following measuring instruments is most suitable?

- [ ] A. Finger span
- [ ] B. Ruler
- [ ] C. Rope
- [ ] D. Tape Measure

(37)
19. Study the diagram and answer the questions below.

(a) The distance between the bus stop and the hospital is _______ km.
(b) The place nearest to the park is the ________________.
(c) The place farthest from the hospital is the ________________.

20. The arrival time of a flight is shown above. The plane was 2 hours and 30 minutes late and it arrived at _________ minutes to ___________ in the evening.
21. 

The time shown on the digital clock is 

_________ minutes to _________ in the _________.

22. 

<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>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
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<td>7</td>
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<td>30</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) Ivan goes to Beijing for 5 days and will return to Hong Kong on the 24th of July. The date when he goes to Beijing is the 

_________ of _____________. 

(month)

(b) Ivan is going to a 6-day football training camp. The camp will start on the fourth Friday of July. The date when the camp will finish is the 

_________ of _____________. 

(month)

(c) This year is a common year. There are _______ days in February this year.
23. Compare the weights of A, B and C. Arrange them in order, from the lightest to the heaviest.

Answer: ________ , ________ , ________  
(lightest) (heaviest)

24. Fill in each of the blanks below with a suitable unit of measurement.

(a) A pair of chopsticks is about 19 ________ long.

(b) A toothbrush weighs about 100 ________ .

(c) The distance between Tai Po in the New Territories and Wanchai on Hong Kong Island is about 30 ________ .

(d) The capacity of a water bottle used by pupils is about 750 ________ .
25. 
One \( \text{of water}\) can fill up \( \text{flasks} \)

One \( \text{of water}\) can fill up \( \text{cups} \)

One \( \text{of water}\) can fill up \( \text{cup} \)

26. In which of the following figures is the quadrilateral above the triangle?

\( \text{A.} \quad \text{B.} \quad \text{C.} \quad \text{D.} \)

\[ \text{figures} \]

\[ \text{figures} \]
27. 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) 

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

A  B  C  D  E  F  G  H

(a) Sphere(s): ______________________
(b) Prism(s): ______________________
(c) Cylinder(s): ____________________
29. Study the following 2-D shapes. Write the letter(s) for the answer.

(a) Circle(s): _____________
(b) Triangle(s): ______________
(c) Square(s): _______________

30.

Which of the above 2-D shapes are parallelograms?
Answer: _______________
31. In the following figures, draw a pair of parallel lines and perpendicular lines by joining the dotted lines.

(a) parallel lines  
(b) perpendicular lines

32. 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.
33. Which of the following are right angles? Write the letters for the answer.

Answer: ___________

34. In the figure below, add two straight lines to form a trapezium with the two given straight lines.
35. 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>
<td>🌟🌟</td>
<td>🌟🌟🌟</td>
<td>🌟</td>
</tr>
<tr>
<td>Number of votes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(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
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

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