Education and Manpower Bureau
Territory-wide System Assessment 2007
Primary 3
Mathematics

Instructions:
1. There are 36 questions in this test.
2. Answer all questions.
3. Time allowed is 40 minutes.
4. Use of calculators is not allowed.
5. Write your answers in this Question-Answer Booklet.
   (a) Multiple choice questions:
       Mark your answers by putting a “✓” in the “〇”, e.g.:
       \[ 2 + 3 = \]
       \[ \begin{array}{c}
           \bigcirc \text{ A. 4} \\
           \checkmark \text{ B. 5} \\
           \bigcirc \text{ C. 6} \\
           \bigcirc \text{ D. 7}
       \end{array} \]
   (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 boxes
   below.

<table>
<thead>
<tr>
<th>School Code</th>
<th>Class</th>
<th>Class No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(5)</td>
<td>3</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
1. (a) Write in words the number shown on the above abacus.
Answer: ____________________________

(b) In the number shown on the above abacus, the digit in the thousands place is _____, and the value of this digit is ______.

2. \[226 + 358 + 107 = \] ______

3. Fill in the boxes with the correct numbers.

\[
\begin{array}{ccc}
4 & 7 & 2 \\
\hline
\square & \square & \square \\
\end{array}
\]

\[+ \]

\[
\begin{array}{ccc}
\square & \square & \square \\
\hline
6 & 8 & 1 \\
\end{array}
\]

4. \[2 \times 27 \times 5 = \] ______

5. \[956 \div 6 = \] _______

2007-TSA-MATH-3ME2-2
6. Which of the following is equal to $32 \times 6$?

- A. $8 \times 29$
- B. $9 \times 18$
- C. $2 \times 106$
- D. $4 \times 48$

7. $439 + (505 - 282) =$

- A. 762
- B. 752
- C. 662
- D. 652

8. $297 - 97 \times 2 =$

- A. 93
- B. 103
- C. 113
- D. 400

9. Which of the following figures have $\frac{1}{4}$ shaded?

- A
- B
- C
- D
- E

Answer: ___________________________
10. The shopkeeper made $243 by selling sandwiches. The cost of each sandwich was $9. The number of sandwiches the shopkeeper sold was _______.

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

\[
\frac{9}{14}, \quad \frac{4}{14}, \quad \frac{11}{14}
\]

Answer: _______ , _______ , _______.

(Smallest) (Largest)

12. A badminton team has 268 shuttlecocks and 144 more are bought by the team. There are now _______ shuttlecocks altogether.

13. Ken bought a set meal and paid with _______ _______.

How much change did he get?

Answer: The change was _______ dollars and _______ cents.
14. The cook buys half a dozen lobsters. How much money does she pay?
(Show your working)

15. The price of a calculator is $186. The price of a telephone is $59 less than that of 3 calculators. What is the price of the telephone?
(Show your working)
16. Circle the amount of money needed to buy the rice cooker.

$455

17. Clock A

Clock B

The clocks above show two different times in a morning. The time shown on Clock A is * earlier / later (* circle the answer) than that shown on Clock B by

_____ hour(s) _____ minute(s).

18. Draw the hour hand and the minute hand on the clock face to show the time on the digital clock.
19. Betty measures the length of the table with some wooden blocks. The length of the table is _______ cm.

20. Which unit of length is most suitable for each of the following measurements? Choose the answer.

(a) The width of this Question-Answer Booklet is about 21

- A. km
- B. m
- C. cm
- D. mm

(b) The length of the runway of an airport is about 3

- A. km
- B. m
- C. cm
- D. mm

(c) The length of a standard swimming pool is 50

- A. millimetres
- B. centimetres
- C. metres
- D. kilometres

(d) The thickness of a wooden door is about 45

- A. millimetres
- B. centimetres
- C. metres
- D. kilometres
21.  

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

(a) The third Tuesday of the month is a holiday. The holiday is on the _____ of _________. 

    (month)  

(b) Mike’s birthday is on the 11th of June. Mum wants to hold his birthday party on the nearest Saturday, which is the _____ of _________. 

    (month)  

(c) On the fourth Thursday of the month, Mike starts a 5-day camping activity. The camping activity ends on the _____ of _________. 

    (month)  

22. Which of the following is the most suitable measuring tool to measure the capacity of a bathtub? 

   ○ A. 
   ○ B. 
   ○ C. 
   ○ D. 

2007-TSA-MATH-3ME2-8
23. One bowl of water can fill up  

One jug of water can fill up  

One teapot of water can fill up  

The capacity of container * A / B / C (*circle the answer) is the largest and the capacity of container * A / B / C (*circle the answer) is the smallest.

24.  

*  

(*circle the answer) is lighter. 

It is _____ g lighter than the other fruit.
26. Which diagrams below have right angles? Write the letters for the answer.

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

(a) Prism(s)/Cylinder(s): ________________________

(b) Pyramid(s)/Cone(s): ________________________

(c) Sphere(s): ________________________

28.

Three of the four points shown above lie on the same straight line. Which point **does not** lie on the straight line?

- O A. P
- O B. Q
- O C. R
- O D. S

(55)
29. Study the following 2-D shapes. Write the letter(s) for the answer.

(a) Pentagon(s): ___________________________

(b) Parallelogram(s): ___________________________

30. Study the following triangles. Write the letter(s) for the answer.

(a) Isosceles triangle(s): ___________________________

(b) Equilateral triangle(s): ___________________________

(c) Right-angled triangle(s): ___________________________
31. An elastic band is used to form a triangle on the above pin-board. If we move the elastic band from point A to B, what type of triangle will then be formed?

Answer: _______________ triangle

32. Name the 2-D shapes that make up the diagram below.

(a) _______________
(b) _______________
(c) _______________
(d) _______________
33. The time shown on the digital clock is _______ minutes past _______ in the * morning / afternoon (*circle the answer).

34. Study the diagram below and answer the following questions.

(a) The Lighthouse is to the _________ of the Bridge.
   (direction)

(b) If we go east from the Village House, we will reach the ____________.

(c) David wants to go from the Railway to the Pond. He first goes __________, passes the ____________,
   (direction)
   and then goes __________ to reach the Pond.
   (direction)
35. The pictogram below shows the score of each team on School Fun Day.

**The Score of Each Team on School Fun Day**

Each \[\boxed{\text{flag}}\] represents 1 point

Brown Team

Red Team

Yellow Team

Green Team

Purple Team

Blue Team

(a) The score of the Red Team is half the score of the [Blank] Team.

(b) The difference between the highest and the lowest scores is [Blank] points.

(c) According to the scores,

the champion is the [Blank] Team,

the 1\(^{st}\) runner-up is the [Blank] Team, and

the 2\(^{nd}\) runner-up is the [Blank] Team.
36. A teacher did a survey on the favourite books of his pupils. The results are as follows:

<table>
<thead>
<tr>
<th>Types of books</th>
<th>Story</th>
<th>Science</th>
<th>Sports</th>
<th>Comic</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>7</td>
<td>9</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

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

(Title)

Each 😊 represents 1 pupil

---

END OF PAPER

©Education and Manpower Bureau, HKSAR 2007
Prepared by the Hong Kong Examinations and Assessment Authority

2007-TSA-MATH-3ME2-16 15