Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 42 questions in this test. Answer all questions.
3. Time allowed is 50 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:

(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/equations, 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. Which of the following numbers has the digit ‘6’ in the thousands place and the digit ‘2’ in the units place?
   
   ○ A. 602
   ○ B. 620
   ○ C. 6002
   ○ D. 6020

2. Which of the following numbers is a multiple of 8?
   
   ○ A. 1
   ○ B. 4
   ○ C. 8
   ○ D. 12

3. List all the factors of 81.

   Answer: ________________________________

4. Fill in each of the following boxes with the correct number.

   (a)  
   \[
   \frac{15}{\text{\underline{}}} = 3
   \]

   (b)  
   \[
   \frac{\text{\underline{}}} {15} = 3
   \]
5. (a) Within 50, the common multiples of 12 and 24 are ________.

(b) The Least Common Multiple (L.C.M.) of 12 and 24 is ________.

6. Which of the following have $\frac{1}{2}$ of the whole figure shaded?

A.  

B.  

C.  

D.  

E.  

Answer: ________
7. (a) Change $\frac{11}{13}$ into an improper fraction.

   Answer:

(b) Change $\frac{22}{4}$ into a mixed number.

   Answer:

8. Which of the following fractions is the smallest?

   \[ \frac{9}{5}, \quad \frac{9}{7}, \quad \frac{13}{7} \]

   Answer:

9. \[ 901 - (101 - 82) = \text{___________} \]

10. The marks in the following figure are equally spaced. Use a decimal to show the mark pointed by the arrow.

   \[ \begin{array}{cccccccc}
   0 & \quad & \quad & \quad & \quad & \quad & \quad & \quad & 3 \\
   \hline
   \end{array} \]

   Answer: \text{___________}
11. In the number 45.28, which digit stands for the smallest value?
   - A. ‘2’
   - B. ‘4’
   - C. ‘5’
   - D. ‘8’

12. \(218 - 18 \times 7 = \) ________________

13. \(4\frac{1}{6} - 2\frac{5}{6} = \) ________________

14. \(\frac{2}{5} \times \frac{3}{8} \div 15 = \) ________________

15. \(7.5 - 6.37 + 1.07 = \) ________________

16. \(30 \times 5.3 \times 0.9 = \) ________________
17. **Games Day**
$50 for each admission ticket.
Half price for 3 or more tickets.

Peter, Paul and Sally are going to the Games Day. How much should they pay altogether? (show your working)

18. (a) Change \(\frac{9}{20}\) into a percentage.

   Answer: _____ %

(b) Change 236% into a fraction and reduce it to the simplest form.

   Answer: _____
19.

Mother gave Karen $50 to buy 2.5 kg of chicken wings and one pack of sausages.

(a) Karen spent $ \underline{ } \text{ on the chicken wings.}

(b) How much should Karen get back after she bought the chicken wings and the sausages?

(show your working)
20. **FUN FUN Games Centre**

$10 for 4 tokens

Yoyo has 27 dollars and 50 cents. She needs _______ dollars and _______ cents more to buy 12 tokens.

21. A school has 960 students. 12.5% of all the students join the swimming class. The number of students who join the swimming class is ________.

22. Fill in each blank with a suitable unit of measurement.

(a) The diameter of a pizza is about 28 ________.

(b) The capacity of a paper cup is about 200 ________.

(c) The weight of a mobile phone is about 110 ________.
23. (a) The clock above showed the time Sarah left for the airport in the afternoon. The time was _____ : _____ p.m.

(b) Sarah arrived at the airport after 45 minutes. In '24-hour time', she arrived at _____ : _____.

24. Which of the following statements is correct?

- O A. The weights of △ and □ are equal.
- O B. □ is lighter than △.
- O C. △ is lighter than □.
- O D. The weights of △ and □ cannot be compared.
25. Which of the following is most suitable to be measured with 'stride length'?

- A. Height of a wardrobe
- B. Distance between two buildings
- C. Length of a student's desk
- D. Width of a carton of drink

26. A triangle is cut away from a piece of square paper. The area of the remaining part is ________ cm².
27. (a) All the water in Beaker A just fills up the milk bottle. The capacity of the milk bottle is ______ L.

(b) All the water in Beaker B just fills up the soft drink bottle. The capacity of the soft drink bottle is ______ mL.

(c) The capacity of the milk bottle is
* larger than / smaller than / equal to
that of the soft drink bottle. (*circle the answer)

28. The circumference of a circle is 6 m.

Its diameter is about ______ m.
(give the answer as a whole number)

29. The average speed of a tram is about 30 ______.
(write a suitable unit)
30. In the above diagram, a cube with sides of 4 cm is immersed in water.

(a) The volume of the cube is _______________.
    (give the answer with a unit)

(b) If Mandy takes away the cube, the water level of the rectangular container drops by ________ cm.

31. The above 3-D shape is a ______________.
32. O is the centre of the figure below.

X

O

Q

Y

P

(a) Straight line XY is a __________ of the circle.

(b) The shaded part of the figure above is

* an equilateral / a right-angled / an isosceles

triangle. (*circle the answer)

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

A

B

C

D

E

F

G

(a) Equilateral triangle: __________

(b) Circle: __________
34. Study the 2-D figures below.

(a) The figure below has * straight lines / curves / parallel lines / perpendicular lines. (* circle all the answers)

(b) The figure below has * straight lines / curves / parallel lines / perpendicular lines. (* circle all the answers)

(c) The figure below has * straight lines / curves / parallel lines / perpendicular lines. (* circle all the answers)
The Map of Holiday Village

35.

(a) From the Canteen, Victor goes _________ to the ___________ to the ___________ to the ___________. Then he turns _________ to the ___________.

(b) The Archery is to the _________ of the Barbecue Site.

36. \[16x = 176\]

\[x = \square\]
37. Which of the following is an equation?
   - A. $4 - \frac{y}{2}$
   - B. $5 + R = 5$
   - C. $7 \times 3 = 21$
   - D. $\frac{18}{3} = 3 + 3$

38. $2t - \frac{2}{5} = 3\frac{3}{5}$
   
   \[ t = \]

39. Tom has $80 pocket money. $\frac{2}{5}$ of Jack’s pocket money is $10 more than Tom’s. Find Jack’s pocket money by the method of solving an equation. (show your working)
40. The pictogram below shows the sales of food in a supermarket yesterday.

The Sales of Food in a Supermarket Yesterday

Each △ stands for 100 packs

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

△

Ham | Bacon | Chicken wing | Sausage | Drumstick | Fish ball

Food

(a) The kind of food with the greatest sales yesterday was ______________. 
_______ packs were sold.

(b) Is it suitable to use 1 △ to stand for 1 pack of food to draw the pictogram? Why?

Answer: It is * suitable / not suitable (*circle the answer) because ____________________________

__________________________________________________________________________

__________________________________________________________________________
The following table shows the quantities of organic vegetables consumed by Healthy Restaurant last week.

<table>
<thead>
<tr>
<th>Organic vegetable</th>
<th>Cabbage</th>
<th>Lettuce</th>
<th>Spinach</th>
<th>Carrot</th>
<th>Tomato</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity (kg)</td>
<td>54</td>
<td>48</td>
<td>38</td>
<td>72</td>
<td>66</td>
</tr>
</tbody>
</table>

According to the data above, construct a bar chart. Give it a suitable title and fill in the blanks.

(Title)
42. The following tables show the weights of three boys and two girls.

<table>
<thead>
<tr>
<th>Weights of boys</th>
<th>Weights of girls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom</td>
<td>Mary</td>
</tr>
<tr>
<td>30 kg</td>
<td>29 kg</td>
</tr>
<tr>
<td>John</td>
<td>Ann</td>
</tr>
<tr>
<td>35 kg</td>
<td>33 kg</td>
</tr>
<tr>
<td>Dick</td>
<td></td>
</tr>
<tr>
<td>34 kg</td>
<td></td>
</tr>
</tbody>
</table>

(a) The average weight of the boys is ________ kg.
(b) The average weight of the girls is ________ kg.
(c) The average weight of all the above children is ________ kg.

— END OF PAPER —