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 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 spaces provided.

Write one capital letter in this box
此格只許塗寫一個大楷英文字母
1. Arrange the following numbers from the largest to the smallest.

17968, 9025, 18340

Answer: _______________ , _______________ , _______________  
(Largest)  (Smallest)

2. 34 is a factor of

○ A. 1.  
○ B. 17.  
○ C. 68.  
○ D. 92.

3. Which of the following numbers are common multiples of 4 and 18? (Circle all the answers)

4. List all the common factors of 6 and 54.

Answer: ______________________

5. The Least Common Multiple (L.C.M.) of 8 and 22 is __________.
6. Shade the squares in the diagram below, so that the shaded part is $\frac{3}{4}$ of the whole.

7. Fill in the box with the correct number.

\[
\frac{18}{54} = \boxed{\text{?}} \quad \frac{9}{54}
\]

8. Which of the following fractions has its value nearest to 1?

\[
\frac{4}{5} , \quad \frac{7}{8} , \quad \frac{5}{6}
\]

Answer: 

9. Which of the following fractions is the largest?

\[
\frac{33}{8}, \frac{29}{7}, \frac{18}{7}
\]

Answer: 

10. In the number 1.235, what is the value represented by the digit ‘3’?

   - A. 3
   - B. \(\frac{3}{10}\)
   - C. \(\frac{3}{100}\)
   - D. \(\frac{3}{1000}\)

11. \(34 \times (12 + 48) = \) 

12. \(\frac{5}{7} + \frac{1}{6} = \)

13. \(11\frac{2}{5} \div \frac{3}{10} = \)
14. \( 16 \div 2.5 = \) __________________________

15. The fruit shop has 120 L of pineapple juice. Every \( \frac{2}{3} \) L is filled in a bottle. How many bottles can be filled?

Answer: _________ bottles can be filled.

16. A box of cookies costs $39.90. Susan has $200.50. Which of the following expressions is most suitable for estimating how many boxes of cookies she can buy at most?

- A. \( 200 \div 30 \)
- B. \( 200 \div 40 \)
- C. \( 300 \div 30 \)
- D. \( 300 \div 40 \)

17. A volunteer team spent 3.5 hours collecting 56 kilograms of litter. How many kilograms of litter was collected per hour on average?

Answer: _____________ kilograms of litter was collected per hour on average.
18. What percentage of the whole figure below is the shaded part?

Answer: The shaded part is _________ % of the whole figure.

19. The original amount on Gloria’s stored value card was $20.10. She spent $5.30 on transport. Then she added a value of $50. How much is on her card now?

Answer: $ ____________ is on her card now.

20. A football costs $36.40. A basketball is $3.80 cheaper than a football. A P.E. teacher buys a football and a basketball. How much should he pay altogether? (Show your working)
21. A department store has 200 employees and 60% of them are female.

(a) _____________ % of the employees are male.

(b) There are __________ female employees in the department store.

22. Sports shoes of the same brand are sold in two shops.

<table>
<thead>
<tr>
<th>Shop</th>
<th>Original Price</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>$400.00</td>
<td>30% Off</td>
</tr>
<tr>
<td>B</td>
<td>$300.00</td>
<td>10% Off</td>
</tr>
</tbody>
</table>

Tom buys a pair of sports shoes of this brand in Shop B. He will pay $ ________ * more / less if he buys them in Shop A. (* Circle the answer)
23. There is dirt on the November calendar.

(a) The 30th of October is ________________.
   (day of a week)

(b) The school ‘Mathematics Week’ starts on the fourth Monday of November.

   That day is the __________ of ______________.
   (month)

(c) The ‘Mathematics Week’ lasts for 5 days.

   It will end on the __________ of ______________.
   (month)
24. A teacher draws a triangle and a circle. $O$ is the centre of the circle.

(a) The teacher draws
* a right-angled / an isosceles / an equilateral triangle. (* Circle the answer)
(b) Use a ruler to measure the diameter of the circle.

Answer: The diameter is about ________ mm.
(Give your answer as a whole number)

25. Fill in the following blanks with suitable units.

(a) The length of a long-distance race is about

10 ________ .
(b) A luggage weighs about 20 ________ .
(c) The capacity of a hot water bag is about 1.5 ________ .
26. The figure on the left can be divided into a rectangle and three squares.

(a) The perimeter of the rectangle is ______ cm.

(b) The perimeter of a square is ______ cm.

27. The solid shown above is made up of ______.

The volume of each ______ is 1 cm$^3$. The volume of the solid is ______.

(Give the answer with a unit)
28. The volume of the cuboid above is \[ \text{______________} \]. (Give your answer with a unit)

29. According to the information above, the volume of \[ \text{____}_\text{cm}^3 \].
30. Peter ran a race of 20.4 km. He finished the race in 2 hours. What was his average speed over the whole journey? (Show your working)

31. The 3-D shape on the right is a

- A. cone.
- B. sphere.
- C. cylinder.
- D. prism.
32. Study the 2-D shapes below. Write the letter(s) for the answer.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>E</td>
<td>F</td>
</tr>
</tbody>
</table>

(a) Trapezium: ____________
(b) Equilateral triangle: ____________

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

| A | B | C | D |

(a) Which of the 2-D shapes above is / are made up of curves only?

Answer: ____________

(b) Which of the 2-D shapes above is / are made up of straight lines and curves?

Answer: ____________
(a) Sports Ground is to the _________ of Canteen.
(direction)

(b) If Tom goes east from Canteen, he will arrive at

- A. Swimming Pool.
- B. Flower Bed.
- C. Football Field.
- D. Badminton Court.
35. A fast food shop has M employees. One-eighth of them are cashiers. How many cashiers are there?

- A. \( \frac{8}{M} \)
- B. \( 8M \)
- C. \( \frac{M}{8} \)
- D. \( \frac{1}{8M} \)

36. Which of the following are equations? Write all the letters for the answer.

A. \( 3 + 20n = 600 \)
B. \( 5y - 2 \)
C. \( 100 - (20b + 50) \)
D. \( \frac{9 + 12}{7} = 3 \)
E. \( \frac{K}{4} = 0 \)

Answer: ________________
37. \[55 = x - 20\]
\[x = \]

38. \[\frac{t}{5} - 2 = 18\]
\[t = \]

39. The sum of a number and 12 is multiplied by 5. The result is equal to 160.

Find the number by the method of solving an equation.
(Show your working)
40. Vivian bought a doll with her savings of the last three months.

The following is her record of savings:

<table>
<thead>
<tr>
<th>March</th>
<th>April</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>$50</td>
<td>$40</td>
<td>$54</td>
</tr>
</tbody>
</table>

What is Vivian’s average monthly savings? (Show your working)
41. Class 6A held the ‘Can Recycling’ activity last week. They counted the number of cans collected and constructed the pictogram below.

**Number of Cans Collected by Class 6A Last Week**

<table>
<thead>
<tr>
<th>Day of the Week</th>
<th>Number of Cans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>7</td>
</tr>
<tr>
<td>Tuesday</td>
<td>6</td>
</tr>
<tr>
<td>Wednesday</td>
<td>6</td>
</tr>
<tr>
<td>Thursday</td>
<td>3</td>
</tr>
<tr>
<td>Friday</td>
<td>4</td>
</tr>
</tbody>
</table>

Each 🍺 stands for 10 cans

(a) The number of cans collected on Thursday was ________.

(b) Most cans were collected on ________ and ________ (day of a week) and the number of cans collected was ________.

(c) In the ‘Can Recycling’ activity, ________ cans were collected altogether.
42. A school held a fundraising walk. The following bar chart shows the amount of money raised by the Primary Six classes.

(a) The largest amount was raised by Class ________.

(b) The total amount raised by all Primary Six classes was $ ____________.

(c) A certificate will be given to the class which has raised $M$ dollars or more. If only Class 6C and Class 6E can get the certificates, what may $M$ be? Why?

Answer: $M$ may be ________ because _________.

"— END OF PAPER —"