Instructions:
1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 41 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.
1. Which of the following numbers has the digit ‘6’ in its thousands place?
   - A. 26.015
   - B. 260.15
   - C. 2 601.5
   - D. 26 015

2. 42 is a factor of
   - A. 3.
   - B. 7.
   - C. 21.
   - D. 84.

3. The Least Common Multiple (L.C.M.) of 4 and 46 is ________.

4. The Highest Common Factor (H.C.F.) of 24 and 96 is ________.

5. \(
   \frac{17}{18}
   \) is * smaller than / equal to / larger than \(
   \frac{16}{16}
   \).

(*Circle the answer)
6. The first common multiple of 12 and 20 is 60. Which of the following numbers is their third common multiple?
   - A. 4
   - B. 120
   - C. 180
   - D. 240

7. Use a pencil to shade the figure below so that the shaded part is \( \frac{7}{10} \) of the whole figure.
8. (a) Change $\frac{511}{30}$ into an improper fraction.

Answer: 

(b) Change $\frac{65}{9}$ into a mixed number.

Answer: 

9. Which of the following fractions is the smallest?

(Circle the answer)

\[
\frac{17}{15}, \quad 1\frac{1}{5}, \quad \frac{17}{8}
\]

10. Change 3.65 into a fraction and reduce it to the simplest form.

Answer: 

11. \(750 - 350 \div 5\) =

- A. 8
- B. 80
- C. 680
- D. 743

12. \(10 \div 6 \times 42\) =

13. \(6\frac{1}{7} - 5\frac{1}{9}\) =

14. \(4\frac{2}{3} \div 1\frac{1}{7}\) =

15. \(20 \times 1.4 \times 0.9\) =

16. \(9.05 \div 0.5\) =
17. There are 242 pupils in Primary Six. \(\frac{6}{11}\) of them are girls.

There are _______ boys in Primary Six.

18. One lap of the sports ground is \(\frac{2}{5}\) kilometre long. After running 3 laps, Paul took a break. Then he ran another \(\frac{3}{4}\) lap. How many kilometres did he run altogether?

(Show your working)

Each kilogram of plastic bottles costs _______ dollars on average.

20. Originally a tea set costs 309 dollars. A discount of 19% will be given if payment is made in cash. Which of the following expressions is most suitable for estimating the amount of cash paid for a tea set?

- A. 300 × 80%
- B. 400 × 80%
- C. 300 × 90%
- D. 400 × 90%

21. What percentage of the whole figure below is shaded?

Answer: ___________ % of the whole figure is shaded.
22. There are 80 vehicles in a car park. 15% of them are vans. The rest are private cars. How many private cars are there in the car park? (Show your working)

23. Fill in the following blanks with suitable units.
   (a) The diameter of a round table is about 1 ________.
   (b) The weight of a tube of toothpaste is about
       \[75\] ________.
   (c) The capacity of a syringe is
       \[20\] ________.
24. The following is a calendar of February 2015.

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
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<th>Thursday</th>
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<th>Saturday</th>
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<td>28</td>
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</table>

(a) The ‘Drama Night’ is on the last Saturday of January 2015.

It is on the _________ of _________.
(day) (month)

(b) 2015 is a * common year / leap year

because February has only ________ days.

(*Circle the answer)
The diagram above shows a circular lawn. A path of 84 m long joins points A and B. AB is a diameter.

(a) Polly runs along the path to cross the lawn in 10.5 s. What is her average speed? (Show your working)

(b) The circumference of the lawn is \[ \text{__________ m}. \] (Take \( \pi \) as \( \frac{22}{7} \))
26. Which of the following tools is most suitable for measuring the capacity of a spoon?

- [ ] A. 
- [ ] B. 
- [ ] C. 
- [ ] D. 

27. The side of the cubic container above is 10 cm. The water in the measuring cup can fill up ________ cubic container(s) at most.
28. In the following diagram, the side of each square is 1 cm.

The area of the shaded part is about _______ cm².

(Give the answer as a whole number)

29. The cube above has ___________ edges.

Its volume is _____________ cm³.
30. The average speed of the Peak Tram is about 15 _____________ . (Give a suitable unit)

31. The figure above is a * pyramid / prism . (*Circle the answer)
   It has ___________ vertices.

32. The 2-D shape above is a * parallelogram / rectangle / rhombus . (*Circle the answer)
   It has ___________ pair(s) of opposite sides parallel.
33. In the figure above, point O is the centre of the circle.

(a) The straight lines OY, YZ and ZO form
* an isosceles / a right-angled / an equilateral triangle.
(*Circle the answer)

(b) Which of the straight lines below is a diameter?

- A. PY
- B. XY
- C. YZ
- D. ZO

34. A rhombus has _________ equal sides and _________ pair(s) of opposite sides parallel.
35. The map of Cultural Zone is shown below.

(a) Gallery is to the _________ of Museum. (direction)

(b) Concert Hall is to the south-west of _________ .

(c) Starting from Conference Centre, Jimmy goes _________ to reach Opera House. Then he turns (direction)

___________ to reach Gallery. (direction)
36. Judy has 120 dollars of pocket money. She spends $y$ dollars each day. How much does she still have after one week?

- A. $120 - 7y$
- B. $7y - 120$
- C. $120 - \frac{y}{7}$
- D. $(120 - y) \times 7$

37. $4k - 5 = 21$

$k = \boxed{\phantom{0}}$

38. $2 + \frac{x}{5} = 5\frac{2}{5}$

$x = \boxed{\phantom{0}}$
39. The following pictogram records the number of readers at the public library last week.

**Number of Readers at the Public Library Last Week**

Each 🐠 stands for 1 000 readers

<table>
<thead>
<tr>
<th>Monday</th>
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(a) The public library had most readers on __________ . There were _______ readers.
    (day of the week)

(b) The total number of readers last week was ________ .

(c) The public library was closed on one day last week. That day was ________________ .
    (day of the week)
40. The table below shows the favourite interest groups of Class 6B pupils.

<table>
<thead>
<tr>
<th>Interest Group</th>
<th>Calligraphy</th>
<th>Chess</th>
<th>Cookery</th>
<th>Dancing</th>
<th>Magic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>2</td>
<td>8</td>
<td>6</td>
<td>10</td>
<td>14</td>
</tr>
</tbody>
</table>

Use a pencil to complete the following bar chart according to the information above. Add the title and scales.
Peter joined a singing contest. Five judges gave him the following scores:

7, 8, 9, 9, 10

Peter’s average score was ______________ .

— END OF PAPER —