## Scorers

## WINTER BREAK

## Class 06 - Mathematics

Time Allowed: $\mathbf{1}$ hour and $\mathbf{3 0}$ minutes

## Section A

1. The simplest form of $\frac{15}{75}$ is $\qquad$
a) $\frac{1}{2}$
b) $\frac{1}{5}$
c) $\frac{2}{9}$
d) $\frac{1}{6}$
2. 0.023 lies between
a) 0.2 and 0.3
b) 0.02 and 0.03
c) 0.03 and 0.029
d) 0.026 and 0.024
3. The number of times an observation occurs in a data is called its $\qquad$ .
a) Interval
b) Range
c) Raw data
d) Frequency
4. Using tally marks, which one of the following represents the number eight:
a)

b)
c)

d)

5. The ratio of areas of two squares, if diagonal of one is double the diagonal of the other, is $\qquad$ .
a) $4: 1$
b) $3: 1$
c) $3: 2$
d) $4: 3$

## Section B

6. Find the equivalent fraction $\frac{3}{5}$ having numerator 9 .
7. Raju bought a book for ₹ 35.65 . He gave ₹ 50 to the shopkeeper. How much money did he get back from the shopkeeper?
8. The pictograph shows the number of absentees in a class of 30 students during the previous week. What was the total number of absentees in that week?

| Days | Number of absentees -1 Absentee |
| :--- | :--- |
| Monday |  |
| Tuesday |  |
| Wednesday |  |
| Thursday |  |
| Friday |  |

9．What is the perimeter of the figure？What do you infer from the answer？


10．The length of an aluminium strip is 40 cm ．If the lengths in cm are measured in natural numbers，write the measurement of all the possible rectangular frames which can be made out of it．（For example，a rectangular frame with 15 cm length and 5 cm breadth can be made from this strip．）

## Section C

11．Solve ：$\frac{4}{5}+\frac{2}{3}$
12．Convert the following into cm ，using decimal
a． 21 mm
b． 15 cm 8 mm
13．Sunita travels 15 km 268 m by bus， 7 km 7 m by car and 500 m by foot in order to reach her school．How far is her school from her residence？

14．The sale of electric bulbs on different days of a week is shown below：

| Days | Number of electric bulbs 局－2 Bulbs |
| :---: | :---: |
| Monday | 庖 庖 庖 庖 |
| Tuesday |  |
| Wednesday | 易 易 庖 易 |
| Thursday | 庖 庖 庖 庖 暏 |
| Friday |  |
| Saturday | 庖 昳 庖 易 |
| Sunday |  |

If one big carton can hold 9 bulbs．How many cartons were needed in the given week？
15．Find the perimeter of a rectangle whose length and breadth are 150 cm and 1 m respectively．

## Section D

Question No． 16 to 20 are based on the given text．Read the text carefully and answer the questions：
Ramesh had 20 pencils，Sheela had 50 pencils and Jamaal had 80 pencils．After 4 months，Ramesh used up 10 pencils， Sheela used up 25 pencils and Jamaal used up 40 pencils．


16．To find an $\qquad$ fraction of a given fraction，you may multiply both the numerator and the denominator of the given fraction by the same number．
17．What fraction did Ramesh use up？
a）$\frac{1}{2}$
b）$\frac{2}{5}$
c) $\frac{3}{4}$
d) $\frac{3}{5}$
18. What fraction did Sheela use up?
a) $\frac{1}{2}$
b) $\frac{1}{5}$
c) None of these
d) $\frac{1}{10}$
19. What fraction did Jamal use up?
a) $\frac{4}{5}$
b) $\frac{3}{5}$
c) $\frac{1}{2}$
d) $\frac{3}{10}$
20. Each has used up an equal fraction of her/his pencils.
a) True
b) False

Question No. 21 to $\mathbf{2 5}$ are based on the given text. Read the text carefully and answer the questions:
Bob wants to cover the square floor of a room of side 4 m by squared tiles. If each square tile is of side 0.5 m .

21. Area of $\qquad$ is Side $\times$ Side.
22. Find the area of floor.
a) $16 \mathrm{~m}^{2}$
b) $20 \mathrm{~m}^{2}$
c) $16 \mathrm{~m}^{2}$
d) None of these
23. Find the area of each tile?
a) $2.5 \mathrm{~m}^{2}$
b) $25 \mathrm{~m}^{2}$
c) $0.25 \mathrm{~m}^{2}$
d) $0.025 \mathrm{~m}^{2}$
24. Find the number of tiles required to cover the floor of the room.
a) 32
b) 64
c) 16
d) 84
25. The amount of surface enclosed by a closed figure is called its perimeter.
a) True
b) False

