



Standard 6

Time: 2.00 Hrs.

MATHS

Marks: 60

I. Choose the best answer:

5×1=5

- 1) The whole number that does not have a predecessor is
a) 10 b) 0 c) 1 d) none of these
- 2) The number of days in 'w' weeks is
a) 30+w b) 30w c) 7+w d) 7w
- 3) The ratio of ₹ 1 to 20 paise is _____
a) 1:5 b) 1:2 c) 2:1 d) 5:1
- 4) A line segment is denoted as
a) AB b) \overline{AB} c) \overleftrightarrow{AB} d) \overline{AB}
- 5) A pictograph is also known as _____
a) Pictoword b) Pictogram c) Pictophrase d) Pictograft

II. Fill in the blanks:

5×1=5

- 6) The largest 8 digit number is _____.
- 7) The letters a, b, c, x, y, z are used to represent _____.
- 8) 4:5 = _____:10
- 9) A ray has _____ end point(s).
- 10) The collected information is called _____.

III. True / False:

5×1=5

- 11) The total number of 4 digit numbers is 9000.
- 12) If the cost of 10 rice bags is ₹ 't', then the cost of 1 rice bag is ₹ $\frac{t}{10}$.
- 13) If the weight of 40 books is 8 kg, then the weight of 15 books is 3 kg.
- 14) 0° and 180° are supplementary angles.
- 15) The spaces between any two bars in a bar graph are the same.

IV. Match it:

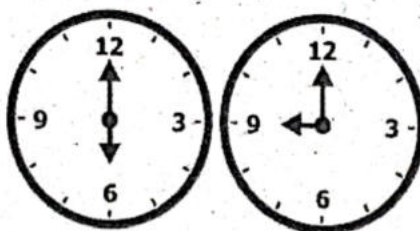
5×1=5

- 16) Additive Identity - $\frac{16}{24}$
- 17) f decreased by 5 - 7
- 18) An equivalent ratio of $\frac{2}{3}$ - 60°
- 19) Complementary angle of 30° - f-5
- 20) $\parallel \parallel \parallel \parallel$ - 0

V. Answer any SIX questions:

6×2=12

- 21) Observe the commas and write down the place value 7.
567, 456, 345
- 22) Round off the following numbers to the nearest hundred.
(i) 4,065 (ii) 86,943
- 23) Express the following algebraic statement to verbal statement.
(i) $x \div 3$ (ii) 2 times of p
- 24) Find the simplified form of the following ratios: 12 : 27
- 25) By proportionality law, check whether 3:2 and 30:20 are in proportion.
- 26) Identify the types of angles shown by the hands of the given clock.



V6M

- 27) Viji threw a die 30 times and noted down the result each time as follows. Prepare a table on the numbers shown using Tally marks.

1 4 3 5 5 6 6 4 3 5 4 5 6 5 2
4 2 6 5 5 6 6 4 5 6 6 5 4 1 1

- 28) How many triangles are there in the given figures?



- 29) Name the property:

i) $50+0 = 50$

ii) $(12 \times 4) \times 8 = 12 \times (4 \times 8)$

VI. Answer any SIX questions:

$6 \times 3 = 18$

- 30) In a mobile store, the number of mobiles sold during a month is 1250. Assuming that the same number of mobiles are sold every month, find the number of mobiles sold in 2 years.

- 31) Simplify: $20 + [8 \times 2 + \{(6 \times 3) - (10 \div 5)\}]$

- 32) If 'u' is an even number, how would you represent

i) the next even number?

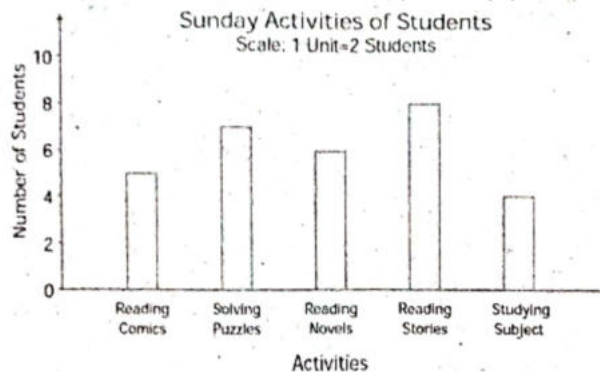
ii) the previous even number?

- 33) A line segment 63 cm long is to be divided into two parts in the ratio 3:4. Find the length of each part.

- 34) Pari wants to buy 5 tennis balls from a sports shop. If a dozen balls cost ₹180, how much should Pari pay to buy 5 balls?

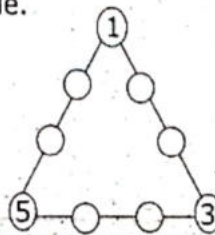
- 35) Find the supplementary angle of (i) 35° (ii) 90° .

36)



Study the above bar graph and answer the following questions:

- i) Which activity is followed by maximum number of students?
ii) The activity followed by minimum number of students is _____.
iii) How many students in all, spend their time on solving puzzles?
- 37) Arrange the odd numbers from 1 to 17 without repetition to get a sum of 30 on each side of the magic triangle.



- 38) Complete the table and find the value of 'K' for which $\frac{K}{3}$ gives 5:

K	3	6	9	12	15	18
$\frac{K}{3}$	1	2				

VII. Answer the following:

$2 \times 5 = 10$

- 39) Construct a line segment using ruler and compass

$\overline{AB} = 5.5 \text{ cm}$ (OR) $\overline{OR} = 10 \text{ cm}$

- 40) Draw and label each of the angles.

$\angle NAS = 90^\circ$ (OR) $\angle SMC = 145^\circ$