



Standard 6

MATHS

Marks: 60

Time: 2.00 Hrs.

10×1=10

I. Choose the best answer:

- 1) 1 billion is equal to
a) 100 crore b) 100 million c) 100 lakh d) 10000 lakh
- 2) The value of $3+5-7\times 1$ is _____
a) 5 b) 7 c) 8 d) 1
- 3) The product of a non-zero whole number and its successor is always
a) an even number b) an odd number c) zero d) none of these
- 4) Variable means that it
a) can take only a few values b) has a fixed value
c) can take different values d) can take only 8 values
- 5) The value of 'y' in $y+7 = 13$ is
a) $y = 5$ b) $y = 6$ c) $y = 7$ d) $y = 8$
- 6) If 2:3 and 4: _____ are equivalent ratios, then the missing term is
a) 6 b) 2 c) 4 d) 3
- 7) Which of the following ratios are in proportion?
a) 3:5, 6:11 b) 2:3, 9:6 c) 2:5, 10:25 d) 3:1, 1:3
- 8) A line segment is denoted as
a) AB b) \overline{AB} c) \overline{AB} d) \overline{AB}
- 9) The tally marks |||| represents the number count
a) 5 b) 8 c) 9 d) 10
- 10) A pictograph is also known as _____
a) Pictoword b) Pictogram c) Pictophrase d) Pictograft

5×1=5

II. Fill in the blanks:

- 11) The place value of 5 in 7005380 is _____.
- 12) $17 \times \underline{\hspace{2cm}} = 34 \times 17$
- 13) If 'A's age is 'n' years now, 7 years ago A's age was _____.
- 14) Ratio of 75 paise to ₹ 2 = _____.
- 15) The collected information is called _____.

5×1=5

III. Say True or False:

- 16) The difference between the smallest number of seven digits and the largest number of six digits is 10.
- 17) Sum of two whole numbers is always less than their product.
- 18) The ratio of 130 cm to 1m is 13:10.
- 19) 0° and 180° are supplementary.
- 20) The product of 'q' and '20' is '20q'.

10×2=20

IV. Any 10 questions answer the following:

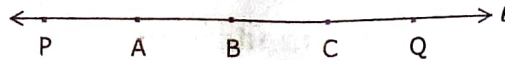
- 21) Write the number 3470568 in words using the Indian system and International system by using commas.
- 22) Arrange the following numbers in the descending order.
128435, 10835, 21354, 6348, 25840
- 23) Estimate by rounding off each number to the nearest hundred.
(a) $8074 + 4178$ (b) $1768977 + 130589$
- 24) Arivazhagan is 30 years younger to his father. Write Arivazhagan's age in terms of his father's age.
- 25) Express the following algebraic statement to verbal statement.
(a) $m+15$ (b) $6z-1$
- 26) Complete the table and find the value of 'K' for which $\frac{K}{3}$ gives 5.

K	3	6	9	12	15	18	21
$\frac{K}{3}$	1	2					

- 27) Give four equivalent ratios for the ratio 5:4.

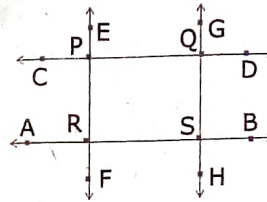
Tsi-6M

28) How many line segments are there in the given line? Name them.



29) From the given figure.

- i) Identify the parallel lines.
- ii) Identify the intersecting lines.
- iii) Name the points of intersection.



- 30) Write the complementary angles of the following: (i) 28° (ii) 40°
- 31) The following are the marks obtained by 30 students in a class test out of 20 in Mathematics subject.

11	12	13	12	12	15	16	17	18	12
20	13	13	14	14	14	15	15	15	15
16	16	16	15	14	13	12	11	19	17

Prepare a table using Tally marks.

32) Complete the 3x3 Sudoku.

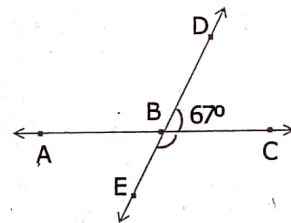
3	4	5
5	3	4

V. Answer the following questions: (Any 5)

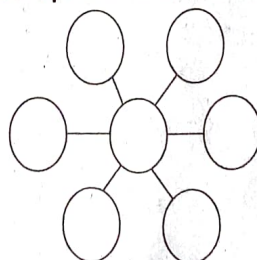
5x3=15

- 33) Write the number name in numerals.
 - i) Two crores thirty lakhs fifty one thousand nine hundred eighty.
 - ii) Sixty six millions three hundred forty five thousand twenty seven.
 - iii) Seven hundred eighty nine millions, two hundred thirteen thousand four hundred fifty six.
- 34) Simplify: $20 + [8 \times 2 + \{(6 \times 3) - (10 \div 5)\}]$
- 35) Name the property being illustrated in each of the cases given below.
 - (i) $75 + 34 = 34 + 75$
 - (ii) $(12 \times 4) \times 8 = 12 \times (4 \times 8)$
 - (iii) $50 \times 1 = 50$
 - (iv) $50 \times 42 = 50 \times 40 + 50 \times 2$
- 36) Kumaran has ₹ 600 and wants to divide it between Vimala and Yazhini in the ratio 2:3 who will get more and how much?

37) Find the supplementary (or) complementary angles.



- 38) Out of 50 students in a class, 30 are boys find the ratio of
 - i) number of boys to the number of girls.
 - ii) number of girls to the total number of students.
 - iii) number of boys to the total number of students.
- 39) Put the numbers 1, 2, 3, 4, 5, 6 and 7 in the circles so that each straight line of three numbers add up to the same total.



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VI. Answer the following any one question:

1x5=5

40) With the help of a ruler and compass, draw a line segment $\overline{PQ} = 6.5$ cm.

(OR)

Use a protractor to draw an angle 45° .