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SUB: MATHEMATICS   TIME: 1.30 hrs
STD: 6TH ASSESSMENT: 2020-21   MARKS: 50

I) Choose the correct answers: 1 X 5 = 5

    1) Perimeter of a square = _____.
        a) 4 x length of a side   b) 2 x length of a side
        c) 3 x length of a side   d) 6 x length of a side

    2) A _____ represents data through pictures of a objects.
        a) Histogram   b) Bar graph   c) Pictograph   d) None of these

    3) Which of the following is an equation.
        a) $2x + 3 = 5$ b) $2x + 3 < 5$ c) $2x + 3 > 5$ d) $2x + 3 \leq 5$

    4) Give expression for 25 added to r.
        a) $25 + r$ b) $25 - r$ c) $25r$ d) None of these

    5) In 4: 7 :: 16 : 28, 7 and 16 are called.
        a) Extreme terms   b) Middle terms
        c) Middle and Extreme terms   d) None of these
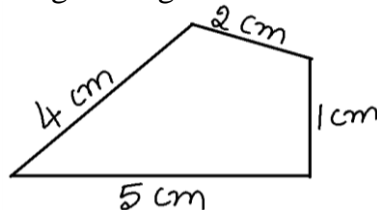
II) Fill in the blanks: 1 X 5 = 5

    6) The tally mark ‖‖‖ represents _____.
    7) If two ratios are _____ we say that they are in proportion.
    8) _____ is a symbol used to represent unknown numbers.
    9) The side of a square is 12 m. Its perimeter is _____.
    10) Numerals whose value is fixed are called _____.

III) Answer the following questions:

    11) Find the ratio of 30 min to 45 min.
    12) Write the expression for
        a) p multiplied by 7.
    13) The side of a equilateral triangle is shown by l. Express the perimeter of the equilateral using l.
    14) Find the perimeter of a given figure.

    15) Define Mensuration.
    16) What fraction of a day is 8 hours?
    17) Define fraction.

IV) Solve the following: 2 X 8 = 16

    18) Draw number line and locate the points on them.
        a) $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{4}{4}$
    19) Express $\frac{11}{5}$ as mixed fraction.
    20) Find the ratio of 40 cm to 1.5 m.
    21) Determine if the following are in proportion.
        a) 15, 45, 40, 120
    22) A table top measures 5m by 2 m. What is its area in sq.m?
    23) Find the perimeter of a triangle with measuring 10 cm, 14 cm and 15 cm.
    24) Find the areas of the rectangle whose sides are: a) 2 km and 3 km

25) Write expressions for the following
a) 11 subtracted from 2 m.
b) –p divided by 5.

V) Solve the following: 3 X 3 = 9
26) Solve: $\frac{2}{3} + \frac{3}{4} + \frac{1}{2}$

27) Ekta earns Rs 3000 in 10 days. How much will she earn in 30 days?
28) What is the cost of tilling a rectangular plot of land 500 m long and 200 m wide at the rate of Rs 8 per hundred sq.m?

VI) Solve the following: 2 X 4 = 8
29) a) Express $2\frac{5}{6}$ as improper fraction.

b) Find the sum of (-7) + (-9) + 4 + 16
30) The number of mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of books sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.

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