Virudhunagar District

Summative Assessment - September 2024

Standard 6

MATHS Time: 2.00 Hrs. Marks: 60 I. Choose the best answer: 5×1=5 The value of 3+5-7×1 is ____ a) 5 b) 7 . c) 8 d) 1 2) Variable means that it a) can take only a few valuesb) has a fixed valuec) can take different valuesd) can take only 8 values 3) If 7:5 is in proportion to x:25, then 'x' is a) 27 b) 49 c) 35 d) 14 4) A line is denoted as a) AB b) AB c) 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) Multiplication by _____ leaves a number unchanged. 7) If 'P-5' gives 12 then 'P' is _____. 8) Ratio of 75 paise to ₹ 2 = _____. A ray has _____ end points. The collected information is called _ III. Say True / False: 5×1=5 11) Successor of a one digit number is always a one digit number. 12) If the cost of 10 rice bags is \overline{t} 't', then the cost of 1 rice bag is \overline{t} '10. 13) If the weight of 40 books is 8 kg, then the weight of 15 books is 3 kg. 14) 88° and 12° are complementary. 15) The spaces between any two bars in a bar graph are the same. IV. Match it: 5×1=5 The whole number that does not have a predecessor is 5:4 17) The value of 'y' in y+7 = 13 is 9 18) Simplify the ratio 25:20 60° 19) Find the complementary angle of 30° is 20) The tally marks | | | | | represents the number count 0 V. Answer any SIX questions: 6×2=12 21) How many thousands are there in 1 million? 22) Cheran had a bank savings of ₹ 7,50,250. He withdrew ₹ 5,34,500 for educational purpose. Find the balance amount in his account. 23) Name the property being illustrated in each of the cases given below: i) 75+34 = 34+75ii) $50 \times 1 = 50$ 24) If 'u' is an even number, how would you represent (i) the next even number? (ii) the previous even number? 25) Converting Algebraic statements to verbal statements: (i) x+6 (ii) 2p-526) What is the ratio of 40 minutes to 1 hour? 27) By proportionality law, check whether 3:2 and 30:20 are in proportion.

28) Find the supplementary angle of 35°.

V₆M

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29) How many Triangles are there in each of the following figures?





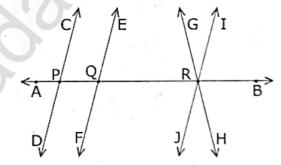
VI. Answer any SIX questions:

6×3=18

- 30) If ₹ 10,00,000 was distributed in a Government scheme to 500 women in the self help groups, then find the amount given to each woman.
- 31) Simplify: $100+8 \div 2 + \{(3 \times 2) 6 \div 2\}$
- 32) Athiyan and Mugilan are brothers. Athiyan is 'p' years old and Mugilan is elder to Athiyan by 6 years. Write an algebraic statement for this and find the age of Mugilan if Athiyan is 20 years old.
- 33) Complete the table and find the value of 'K' for which $\frac{K}{3}$ gives 5

K	3	6	9	12	15	18
<u>K</u>	1	2				

- 34) 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.
- 35) A heater uses 3 units of electricity in 40 minutes. How many units does it consume in 2 hours?
- 36) From the given figure, name the
 - (i) parallel lines
 - (ii) intersecting lines
 - (iii) points of intersection

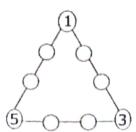


37) Viji threw a die 30 times and noted down the result each time as follows. Prepare a table on the numbers shown using Tally marks.

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

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

38) Arrange the odd numbers from 1 to 17 without repetition to get a sum of 30 on each side of the magic triangle.



VII. Answer the following questions:

2×5=10

Construct a line segment using ruler and compass

 $\overline{AB} = 7.5 \text{ cm}$ (OR) $\overline{QR} = 10 \text{ cm}$

40) Draw and label each of the angles.

 $\angle NAS = 90^{\circ}$ (OR) $\angle BIG = 35^{\circ}$