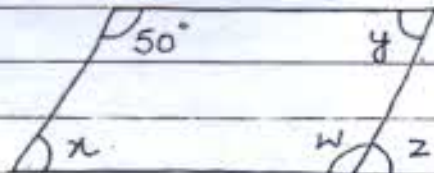
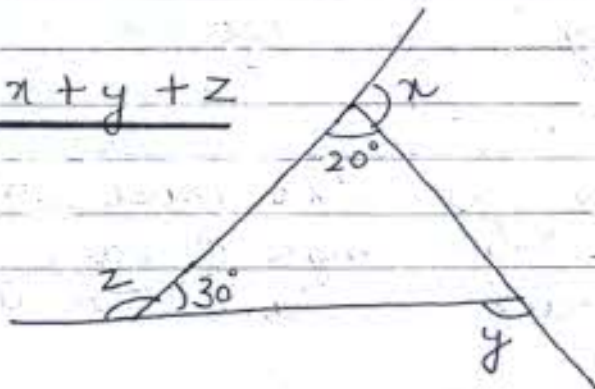


Summative Assessment-1 (2016-17)Class - VIIISub - MathsTime: 2 1/2 hrsM.M - 40Each question carry 2 marks7 x 2 = 14Q1] Find the value of x, y, z, w Q2] Write T/F

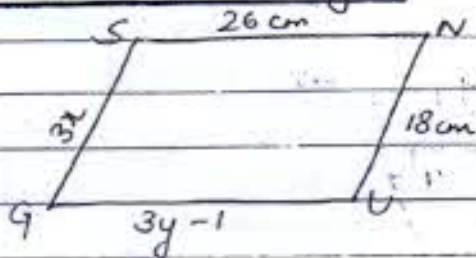
- All rectangles are square
- All rhombuses are parallelogram
- All squares are rhombuses and rectangles.
- All squares are trapezium.

Q3] Find the cube root of 13824Q4] a] How many sides does a regular polygon have if the measure of exterior angle is 24° .Q5] a] Name the quadrilateral whose diagonals are perpendicular bisectors of each other.

b] Name the regular polygon of
 3 sides
 5 sides

Q6] Find $x + y + z$ 

Ques 7) Find x and y :-



Each question carry 3 marks: $(3 \times 6 = 18)$

Q1] Find the smallest no. by which 704 must be divided so that it becomes a perfect cube also find its cube root.

Q2] Using Euler's formula find unknown.

Faces	20	?	5
Vertices	12	6	?
Edges	?	12	9

Q3] A group of 360 people were asked to vote for their favourite season from the three seasons rainy, winter and summer.

Season	No. of votes
Summer	90
Rainy	120
Winter	150

- 1) Which season got the most votes?
- 2) Find the central angle of each sector.
- 3) Draw a pie chart to show their information.

Q4] Construct a frequency distribution table for the data on weights (in Kg) of 20 students of a class using interval 30-35, 35-40 and so on.

40, 38, 33, 48, 60, 53, 37, 46, 34, 36, 49,
41, 55, 49, 65, 42, 44, 47, 38, 39

Q5] i] When a die is thrown find the probability of an event of getting
a) A no. not greater than 5.
b) not a prime number

2] Find the probability of getting a green sector if you spin a wheel in the figure.



Q6] Draw histogram for the given data and answer the following:-

Class interval	Frequency
800 - 810	3
810 - 820	2
820 - 830	1
830 - 840	8
840 - 850	5
850 - 860	2
860 - 870	3
870 - 880	1
880 - 890	1
890 - 900	4

1) Which group has the maximum workers?

2) How many workers earn Rs 850 and more.

Each question carry 4 marks (any 2) $(2 \times 4 = 8)$

Q1] Draw square OKAY with $OK = 5.5 \text{ cm}$

Q2] Draw a rectangle with adjacent sides of length 7 cm and 5 cm .

Q3] Draw quad. MORE with $MO = 6 \text{ cm}$

$OR = 4.5 \text{ cm}$

$\angle M = 60^\circ$

$\angle O = 105^\circ$

$\angle R = 105^\circ$

Q4] Draw Rhombus whose diagonals are 5.2 cm and 6.4 cm .