

18.02.2020

EVERWIN VIDHYASHRAM

Marks: 20

STD: VII

PA4 - MATHS (PART - II)

Time: 30 min

I. Fill in the blanks:

5x1=5

1. If two line segments are congruent, they have the same _____.
2. Two triangles with equal corresponding angles need not be _____.
3. Probability of getting 1 on rolling a dice is _____.
4. Find the mode of 3, 4, 3, 3, 5, 1, 4, 5, 4, 3, 3, 3.
5. _____ refers to the value which lies in the middle of the data, when arranged in ascending or descending order.

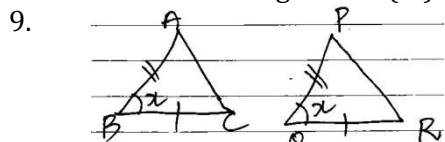
II. Answer the following:

5x3=15

6. Heights (in cm) of 9 children are given below: 168, 165, 163, 165, 175, 163, 160, 168. 163 what is the median of their heights?
7. Draw a bar graph choosing an appropriate scale depicting score of 5 children in quarterly test (out of 20)

Students	Harish	Aarathi	Mythili	Jamuna	Arun
Quarterly	15	16	18	12	13

8. Tell whether the following is certain to happen, impossible can happen but not certain. (i) India will win the world cup in 2030 (ii) Yearly assessment will begin soon (iii) There are 4 sides in a circle.



Which congruence criterion do you use to conclude $\triangle ABC \cong \triangle PQR$? Why?

10. Explain why? $\triangle PAT \cong \triangle COM$

