



FACULTY HIGHER SECONDARY SCHOOL
SAMPLE QUESTION PAPER 2019-20
CLASS VII
SUBJECT-MATHEMATICS

M.M - 50

SECTION-A

(Q.1 TO Q.15 carry one mark each)

1. What is the additive inverse of 'a'?
2. Which element is known as multiplicative identity?
3. How many one fourths are there in a whole?
4. Supply the missing digit: $\frac{5}{7} + \frac{?}{7} = \frac{6}{7}$
5. $2x + 1$ is an
 a. Linear Equation b. Algebraic Expression c. Both d. None
6. "p added to 4 gives 5" can be expressed as
 a. $p - 4 = 5$ b. $4 - p = 5$ c. $5 - p = 4$ d. $p + 4 = 5$
7. Fill up :- $5 + _ = 0$
8. The straight path from A to B is called--
 a. Line b. Ray c. Angle d. Line Segment
9. Give an equivalent fraction of $\frac{3}{7}$ having denominator 21.
10. Sum of the linear angles is always equal to
 a. 90° b. 180° c. 270° d. 360°
11. What is the place value of 3 in 67.035?
12. Two angles forming a linear pair are _____. (supplementary/complementary)
13. An angle equal to its supplementary angle is
 a. 90° b. 0° c. 180° d. 45°
14. Supply the correct measure: The supplement of 120° is _____.
15. Complete the sentence: The _____ of a triangle may lie inside or outside of the triangle.

SECTION-B

(Q.16 TO Q.20 carry two marks each)

16. Find the product: $(-18) \times (-5) \times (-4)$
17. Find out the Mean, Median, Mode and range of the data: 13, 16, 12, 14, 19, 12, 14, 13, 14
18. Find the value of the variable:- $3n - 2 = 46$
19. Two supplementary angles are in the ratio 3:2. Find the angles.
20. Given below is the data showing the number of children in 20 families of a locality.
 3, 1, 3, 2, 2, 2, 0, 3, 4, 2, 1, 3, 2, 4, 1, 2, 2, 3, 1, 3
 Prepare a frequency table on this data.

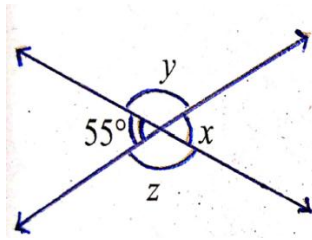
SECTION-C

(Q.21 to Q.25 carry three marks each)

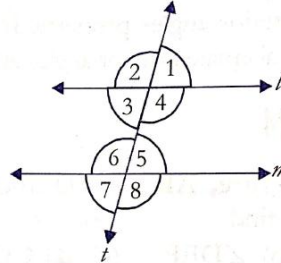
21. In a class test containing 10 questions, 5 marks are awarded for every correct answer and -2 marks are awarded for every wrong answer and 0 for questions not attempted.
 - a) Rahul gets 4 correct and 6 wrong answers. What is his score?
 - b) Dolly gets 5 correct and 5 wrong answers. What is her score?
 - c) Naina gets 2 correct and 5 wrong answers. What is her score?
22. Compare and arrange in ascending order: $\frac{1}{5}, \frac{3}{7}, \frac{7}{10}$

23. Rohan's father is 49 years old. He is 4 years older than 3 times Rohan's age. What is Rohan's age?

24. Find the values of the angles x , y and z in the following diagram.



25. Solve the equation: $16 = 4 + 3(p + 2)$



SECTION-D

(Q.26 to Q.27 carry five marks each)

26. The performance of a student in 1st term in 2nd term is given below. Draw double bar graph choosing appropriate scale.

Subject	English	Hindi	Maths	Science	S.Science
1 st term(mm)	67	72	88	81	73
2 nd term(mm)	70	65	95	85	75

27. In the adjoining figure, identify the following:

- A pair of corresponding angles.
- Angle corresponding to 7.
- Angle alternate to 4.
- Angle alternate to 1.
- A pair of linear angles.

Solutions:-

Q18. $3n - 2 = 46$

Or, $3n = 46 + 2$

Or, $3n = 48$

Or, $n = \frac{48}{3}$

Or, $n = 16$

Q23. Let Rohan's age be ' x ' years

A/Q, $3x + 4 = 49$

Or, $3x = 49 - 4$

Or, $3x = 45$

Or, $x = \frac{45}{3}$

Or, $x = 15$

Therefore, Rohan's age is 15 years

Q27.

- $(\angle 2, \angle 6)$; $(\angle 1, \angle 5)$; $(\angle 3, \angle 7)$; $(\angle 4, \angle 8)$
- $\angle 3$
- $\angle 6$
- $\angle 7$
- $(\angle 1, \angle 2)$; $(\angle 1, \angle 4)$; $(\angle 5, \angle 6)$; $(\angle 5, \angle 8)$; $(\angle 3, \angle 4)$; $(\angle 7, \angle 8)$