



WORK SHEET- 1

FIRST TERM EXAM, 2021 - 22'

GRADE: VIII

SUBJECT: MATHEMATICS

1 MARK QUESTIONS:

- If $2x - 3 = x + 2$, then $x = ?$
(a) 1 (b) 3 (c) 5 (d) 7
- How many diagonals are there in a hexagon?
(a) 6 (b) 8 (c) 9 (d) 10
- The sum of exterior angles of a polygon is
(a) 180 (b) 360 (c) 540 (d) 0
- Each interior angle of a regular decagon is
(a) 60° (b) 120° (c) 144° (d) 144°
- The measure of each exterior angle of a regular polygon is 40° . How many sides does it have?
(a) 8 (b) 9 (c) 6 (d) 10

2 MARK QUESTIONS:

- Twelve subtracted from ten times a number is equal to 88. Find the number.
- Draw the given polygons and their diagonals
A. Heptagon B. Quadrilateral
- The present age of Tom is twice the age of his sister Ann. 4 years later, the sum of their ages will be 32. What is their present ages?
- Using the angle sum property of polygon to find the missing angles:
a) 110, 90, 150, 102, 110, 170, x b) 110, 120, 95, 140, x
- Find the measure of each interior angle of a regular polygon having 15 sides.

3 MARK QUESTIONS:

1. Monu's father is 26 years younger than Monu's grandfather and 29 years older than Monu. The sum of the ages of all the three is 135 years. What is the age of each one of them?
2. The denominator of a rational number is greater than its numerator by 3. If 3 is subtracted from the numerator and 2 is added to its denominator, the new number becomes . Find the original number.
3. The sum of the digits of a two-digit number is 15. If the number formed by reversing the digits is less than the original number by 27. Find the original number.
