

## **FORMATIVE ASSESSMENT - FIRST MID TERM**

## MATHEMATICS

## **Max Marks: 50**

Std - VII

Time: 2 Hrs

<b>Name of the School:</b> <hr/>	<b>Name of the Student:</b> <hr/>
<b>Place:</b> <hr/>	<b>Roll No.:</b> <hr/>

### I. Choose the correct answer:

$$5 \times 1 = 5$$

## II. Fill in the blanks:

$$5 \times 1 = 5$$

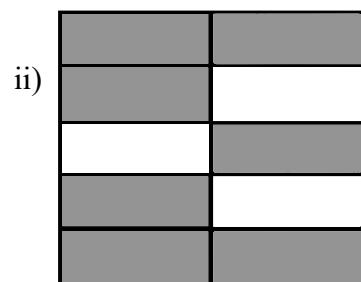
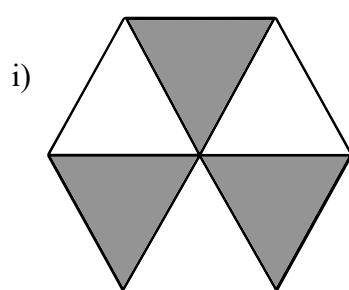
1.  $(+)$   $\div$   $(+)$  = \_\_\_\_\_
2.  $(-56)$   $\div$   $(8)$  = \_\_\_\_\_
3. The additive inverse of 7 is \_\_\_\_\_
4.  $4 +$  \_\_\_\_\_  $= -3 + 4$
5. The sum of any integer and its additive inverse is always \_\_\_\_\_

**III. Do as directed: (Any 10)**

$$10 \times 2 = 20$$

1. Add using number line:  $(4) + (-8)$
2. Find the product :  $(-18) \times (+15)$
3. Use distributive property and find the product :  $998 \times 102$
4. Evaluate the quotient:  $162 \div (-9)$
5. A submarine was situated 750 feet below sea level. If it ascends 250 feet, what is its new position?
6. In the following sets of integers fill in the correct signs:  $<$ ,  $>$ ,  $=$ .
  - (a)  $(+5) \underline{\hspace{2cm}} (-5)$
  - (b)  $(+2) \underline{\hspace{2cm}} (+3)$

7. Write the shaded portions as fraction



8. Students of class 7 goes for a hike. They are keen on climbing the peak which is 1140 m high. The path is well marked and they are told the hike will take 3 to 4 hours. After climbing 2 hours, the students realise they have climbed 905 m. How many more meters do they need to climb to reach the peak?

9. If  $a$  &  $b$  are 2 integers, find  $a \times b$  for the following values of  $a$  and  $b$ .

- $a = -110$  and  $b = -1432$
- $a = -5372$  and  $b = +12$

10. During the mango season 65 mangoes were plucked from a tree. 2 mangoes were not good for distribution. The rest were shared equally amongst 7 people. How many mangoes did each person receive?

11. What should be subtracted from  $-90$  to get  $22$ ?

**IV. Do as directed: (Any 2)**

**$2 \times 5 = 10$**

- Four friends are sharing a room. The bills they need to share at the end of each month is ₹ 500. How much should each person pay?
- In a competitive examination negative marks of 2 are awarded for each wrong answer and 4 marks for every correct answer. If Neerav gets 15 correct answers and 5 wrong answers and Rajan gets 14 correct answers and no wrong answer, who gets more marks and by how much?
- You want to buy 48 torches each costing ₹ 55.50 paise. How much do you pay the vendor? Use distributive property to calculate.

**V. Geomtry:**

**$1 \times 10 = 10$**

- Construct a perpendicular bisector of the following length,  $AB = 8.5 \text{ cm}$