

FORMATIVE ASSESSMENT - FIRST MID TERM

MATHEMATICS

Max Marks: 50

Std - VII

Time: 2 Hrs

Name of the School:	Name of the Student:
Place:	Roll No.:

I. Choose the correct answer: 5 × 1 = 5

1. $(6) - (-3)$ _____

(a) 3 (b) 9 (c) -9
2. Write the decimal form of $\frac{1}{2}$ _____

(a) 0.25 (b) 0.5 (c) 0.75
3. Write the fraction form of 0.3 _____

(a) $\frac{3}{10}$ (b) $\frac{3}{100}$ (c) $\frac{3}{20}$
4. Which one of the following represents commutative property? _____

(a) $p + q = pq$ (b) $q + p = qp$ (c) $p + q = q + p$
5. Which of the following pairs gives the sum -9? _____

(a) 3, -6 (b) 3, 6 (c) -3, -6

II. Fill in the blanks: 5 × 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 _____

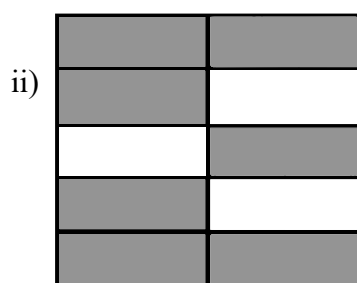
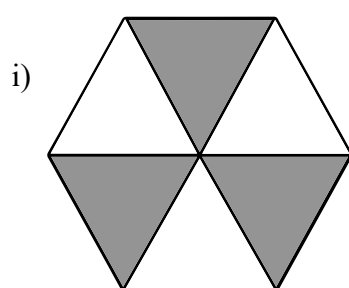
III. Do as directed: (Any 10) 10 × 2 = 20

1. Add using number line: $(4) + (-8)$
2. Find the product : $(-18) \times (+15)$
3. Use distributive property and find the product : 998×102
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) $(+5)$ _____ (-5)

(b) $(+2)$ _____ $(+3)$
- 1

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*.
 - i) $a = -110$ and $b = -1432$
 - ii) $a = -5372$ 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)

$2 \times 5 = 10$

1. 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?
2. 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?
3. You want to buy 48 torches each costing ₹ 55.50 paise. How much do you pay the vendor? Use distributive property to calculate.

V. Geomtery:

$1 \times 10 = 10$

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