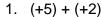
CLASS-VII Date-25.7.14

I. Perform the following operations on Integers:



4.
$$(-5) + (+2)$$

6.
$$(-7) + (-3)$$

7.
$$(+7) + (-3)$$

11.
$$(+9) + (-4)$$

12.
$$(-9) + (+4)$$

II. Perform the following operations on Integers:-

III. Perform the following operations on Integers:

(c)
$$(-7) + (-8) + (-90)$$
 (d) $50-(-40)-(-2)$

V. Fill in the blanks with <,> or = sign.

VI. Fill in the blanks using >,< or = sign.

$$(a)(-8) + (-4)$$
 $(-8) - (-4)$

VII. Fill in the blanks

$$(a)(-8) + = 0$$

$$(a)(-8) + \underline{\hspace{1cm}} = 0$$
 (b) 13 + $\underline{\hspace{1cm}} = 0$

$$(d) (-4) + = -12$$

VIII. (i) Find each of the following products.

(ii) Fill in the blanks

IX. Solve

$$(g)(-31) / {(-30) + (-1)}$$

$$(h)({(-36) + 12} / 3$$

$$(i)\{(-6) + 5)\}/\{(-2 + 1)\}$$

$$(e)13/\{(-2)+1\}$$

X. Fill in the blanks

____=87

/(4) = -3

XI. Solve using suitable properties :-

(1/3)

- XII. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks for every incorrect answer.(i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?
- XIII. In a class test containing 10 questions, 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for not attempting any of the questions.
 - (a) Mohan gets 4 correct answers and 6 incorrect answers. What is his score?
 - (b) Reshma gets 5 correct and 5 incorrect answers. What is her score?
 - (c) Heena gets 2 correct and 5 incorrect answers out of 7 questions she attempted. What is her score?
- XIV. In a test (+5) marks are given for every correct answer and (-2) for incorrect answer
 - (i) Radhika answered all the questions and scored 30 marks though she got 10 correct answers
 - (ii) Jay also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect questions did they attempt?
- XV. In a class test + 3 marks are given for every correct answer and -2 marks are given for every incorrect answer and no marks for not attempting any question
 - i) Radhika scored 20 marks if she has got 12 correct answers. How many questions had she attempted incorrectly?
 - ii) Mohini scored -5 marks in the test though she had got 7 correct answers. How many questions had she attempted incorrectly?
- XVI. An elevator descends into the mine shaft @ 6 min per minute. If it descends from 10m above the ground, how long will it take to reach -350m?
- XVII. Suppose we represent the distance above the ground, what will be its positive integer and that below the ground by a negative integer, then answer the following: -
 - (i) An elevator descends into a mine shaft at the rate of 5 m per minute. What will be its position after 1 hour?
 - (ii) If it begins descending from 15 m above the ground, what will be its position after 45 minutes?
- XVIII. A certain freezing process requires that room temperature be lowered from 40° C at the rate of 5° C every hour. What will be the room temperature 10 hours after the process begins?
- XIX. The temperature at the noon was 10℃ above zero. If it decreases @ 2℃ per hour until midnight, at what rate would the temperature will be 8℃ below zero? What would be the temperature at midnight?
- XX.A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold.
 - (a) The company sells 3,000 bags of white cement and 5,000 bags of grey cement in a month. What is its profit or loss?
 - (b) What is the no. of white cement bags it must sell to have neither profit nor loss, if the no. of grey bags sold is 6,400 bags.
- Q (21) A shopkeeper earns a profit of Re 1 by selling 1 pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock.
 - (i) In a particular month she incurs a loss of Rs 5. In this period, she sold 45 pens. How many pencils did she sell in this period?
 - (ii) In the next month she earns neither profit nor loss. If she sold 70 pens, how many pencils were sold?