MATHEMATICS ASSIGNMENT Std VII

MATHEMATICS
Std VII
Integers

General instructions: Students please copy down the important topics from You Tube videos in your notebook.

Exercise: 1.4

Q1. Evaluate the following:

(iv) $(-59) \div 59$

$\quad = -59/59$

$\quad = -1$

(vi) $(-784) \div (-56)$

$\quad = -784/-56$

$\quad = 14$

Q2. Evaluate the following:

(iii) $[(-6)+5] \div [(-2)+1]$

$\quad = [-6+5] \div [-2+1]$

$\quad = -1 \div -1$

$\quad = 1$

Q7. In a competition 3 marks are given for correct answer and (-2) marks are given for every incorrect answer and no marks for not attempting any question.

 (i) Sachin scored 24 marks. If he got 14 correct answers, how many questions has he attempted incorrectly?

 (ii) Nalini scores (-7) marks in this competition, though she has got 9 correct answers. How many questions she has attempted incorrectly?

Solution:

In a competition , 3 marks for every correct answer and (-2) marks for every incorrect answer.

No marks for non- attempting the question

(i) Sachin got 14 correct answer, and got 24 marks

Correct answer attempted = 14

Marks scored = 14×3 = 42

but marks scored = 24

Deduction in marks = 42- 24 =18

Incorrect answer = 18/2 = 9

(ii) Marks scored by Nalini = -7

$\quad$ Correct answer = 9

$\quad$ Total marks scored = 9×3 = 27

$\quad$ Deduction in marks = 27 +7 =34

$\quad$ No. of incorrect answer = 34÷2

Exercise 1.5

Q3. $- 11 - \left[- 6 - \left\{ 3 - 5(8 \div 4 - 1) \right\} \right]$

$= - 11 - [- 6 - \left\{ 3 - 5 (2 - 1) \right\}]$

$= - 11 - [- 6 - \{ 3 - 5 (1)]$

$= - 11 - [- 6 - \{ 3 - 5 \}]$

$= - 11 - [- 6 - \{ - 2 \}]$

$= - 11 - [- 6 + 2]$

$= - 11 - [- 4]$

$= - 11 + 4$

$= - 7$

Q5. $14 \div (3 \text{ of } 2 - 3 + 4) - 9(5 - 3)$

$= 14 \div (3 \times 2 - 3 + 4) - 9 \times 2$

$= 14 \div (6 - 3 + 4) - 18$

$= 14 \div (7) - 18$

$= 2 - 18$

$= - 16$