SHRI DHARMASTHALA MANJUNATHESHWARA SCHOOL ASHOKANAGAR MANGALURU

GRADE 7 WORKSHEET 1: INTEGERS

1.Fill in the blanks:

(a) The additive inverse of -15 is ___ .
(b) 0 is greater than all ___ integers.
(c) The successor of -9 is ___ .
(d) The predecessor of -1 is ___ .
(e) The smallest negative integer is

2. Evaluate:

(a) (-12) + 7 - (-3)
(b) 15 - (-8) + (-2)
(c) (-5) x 6 + (-4) x (-2)
(d) (-24) ÷ 6 - (-10)

3.Simplify:

(a) (-2) x (-3) x (-4)
(b) (-100) ÷ 5 + (-2)
(c) (-10) + 5 x (1 - 4)

4.Verify that a - (-b) = a + b for the following values of a and b:

(a) a = 15, b = 8
(b) a = -7, b = -12

5.In a quiz, team A scored -50, 30, 0, and team B scored 60, 30, -40 in three
 successive rounds. Which team scored more? Can we say that we can add
 integers in any order?

6.The temperature at a hill station was -5∘Cnegative 5 raised to the composed
with power cap $C - 5 \circ C$ in the morning. By afternoon, it rose by 7∘C7 raised to
the composed with power cap C $7 \circ C$. What was the temperature in the
afternoon?

7.An elevator descends into a mine shaft at the rate of 6 meters per minute. If the descent starts from 10meters above the ground level, how long will it take to reach −350meters?

8.In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer.

a. Gurupreet attempts all questions but only 9 of her answers are correct. What is her total score?

b. One of her friends gets only 5 answers correct. What will be her score?

9.An elevator descends into a mine shaft at the rate of 5 m/min. What will be its position after one hour?

10. Is 10×(6+(-2))=10×6+10×(-2)?

11.Write five pairs of integers (a,b) such that a÷b=-8