

# Kendriya Vidyalaya No. 2, Port Blair

## Holiday Homework - SUMMER VACATION

### CLASS VII

1. Take a print out of worksheets and complete them.

2. Find each of the following products:

a)  $(-1) \times (-5) \times (-4) \times (-6)$

b)  $(-20) \times (-2) \times (-5) \times 7$

c)  $(-25) \times 37 \times 4$

3. Verify

a)  $(-30) \times [13 + (-3)] = [(-30) \times 13] + [(-30) \times (-3)]$

b)  $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$

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

(i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score?

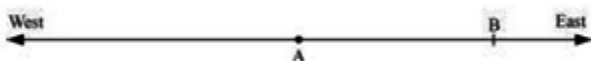
(ii) One of her friends gets only 5 answers correct. What will be her score?

5. A shopkeeper earns a profit of Rs.1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. 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?

### **CCT QUESTIONS**

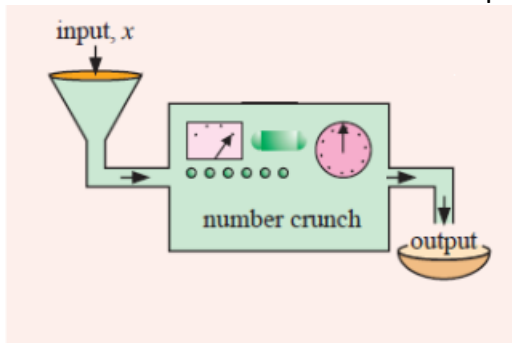
1. Rita goes 20 km towards east from a point A to the point B. From B, she moves 30 km towards west along the same road. If the distance towards east is represented by a positive integer then, how will you represent the distance travelled towards west?

By which integer will you represent her final position from A?



## 2. Number Crunching Machine

The figure shows a number crunching machine in which any integer can be fed as input. There are a set of instructions which produces output as follows:



If a positive integer is fed into the number crunching machine, it produces one of two results:

- If the integer fed in is EVEN, the machine divides the number by 2.
- If the integer fed in is ODD, the machine subtracts one from the number.

If a negative integer is fed into the number crunching machine, it produces its additive inverse.

**Question1.** Find the result when the following numbers are fed into the machine:

- i.        123            (ii) -72

**Question2.** What can be the input to the machine if the output is 18?

- 36            (b) 19            (c) -18            (d) All of the above

## 3. Pocket Money

During a twelve week school term, Tej and his sister Smriti agreed to wash the dishes for their parents from Monday to Friday. Tej did them on Monday, Wednesday and Friday, leaving Smriti to do them on Tuesday and Thursday. They negotiated with their parents to be paid Rs. 2 for the first week, Rs.4 for the second week, Rs.8 for the third week, and so on. If anyone forgets to do his/her job on any weekday, he/she has to return Rs.3.

Consider the following questions:

**Question1.** How *much* will they be paid in weeks 4, 5 and 6?

**Question2.** What amount of money would *Tej* be paid for the *final* week of term?

**Question3.** If Smriti forgets to wash dishes on 3 days in the first four weeks of their school term, how much money would she be getting during the entire four weeks?

**PROJECT ACTIVITY-** Draw 2-D and 3-D shapes on A4 sheets(separately), colour them and name.

