

DATA INTERPRETATION

Data 1: Temperatures in some places of India.(in month of January 2009)

Place	Temperature
Mumbai	20°C above 0°C
Delhi	12°C above 0°C
Lucknow	10°C above 0°C
Shimla	5°C below 0°C
Amritsar	4°C below 0°C
Laddhakh	10°C below 0°C
kolkota	15°C above 0°C

We need positive integers and negative integers to represent above temperature.

Data 2 : A straight road goes along the house of Mamta. Her school is at 5 km in East, hospital at a distance 3 km in west, medical store at a distance 2 km in west, gym at distance of 3 km in east, book stall at distance 1 km in east .A table regarding above situation is given as

Mamta House

Places	Distance & direction
School	5 km in east
Hospital	3 km in west
Medical store	2 km in west
Gym	3 km in east
Book stall	1 km in east

Above situation can be represented by positive and negative integers.

Data 3: A tower has different shops at different floors which are given as:

Shops	Floor
Movies	6 th floor above ground floor
Sports centre	5 th floor above ground floor
Ice cream	4 th floor above ground floor
Book store	3 th floor above ground floor
Shopping centre	2 th floor above ground floor
Chinese food	1 th floor above ground floor
Security	0 th ground floor
Toys	1 th floor below ground floor
Video games	2 th floor below ground floor
gym	3 th floor below ground floor
Car parking	4 th floor below ground floor
Ghost house	5 th floor below ground floor

We need positive and negative integers to represent positions of shops.

WORKSHEET 2

Profit is represented by + sign, loss is represented by – sign. Represent following with + sign or – sign.

Name of items	Profit	Loss	Represent with + or – sign
Oil	Rs 50	–	
Dal	–	Rs 10	
Sugar	Rs 5	–	
Soaps	Rs 2	–	
Wheat	–	Rs 2	
Milk	Rs 2	–	

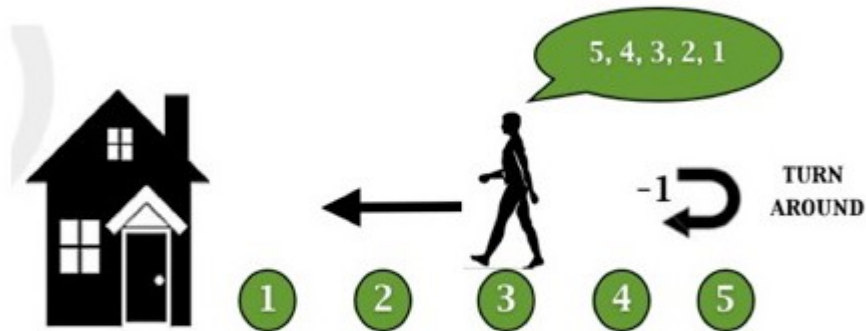
WORKSHEET 3

Distance above sea level	Distance below sea level	Represent with + or – sign
10 m	–	
15m	–	
–	25 m	
–	30 m	

WORKSHEET 4

Temperature above 0°C	Temperature below 0°C	Represent with + or – sign
25	–	
–	5	
20	–	
–	2	

WORKSHEET 5



Distance to right	Distance to Left	Represent with + or - sign
150 m	-	
-	100 m	
200 m	-	
-	50 m	

WORKSHEET 6

A tower has 6 floor above ground floor and 3 floor below ground floor. Write an integer with sign (+ or -) for the floors.

Floor	Represent with +ve or -ve integers
5 th floor above ground floor	
2 nd floor above ground floor	
3 rd floor above ground floor	
ground floor	
2 nd floor below ground floor	

WORKSHEET 7

What do you mean by following quantities?

S.No	Quantity	Interpretation
1.	-2°	
2.	-10 m	
3.	-Rs 500	
4.	+Rs 500	
5.	$+5^{\circ}\text{C}$	
6.	+10 m	
7.	-10 mark	
8.	+50 mark	