Name :   **Date :**

Grade : **VII**   **Worksheet**   **Submission Date :**
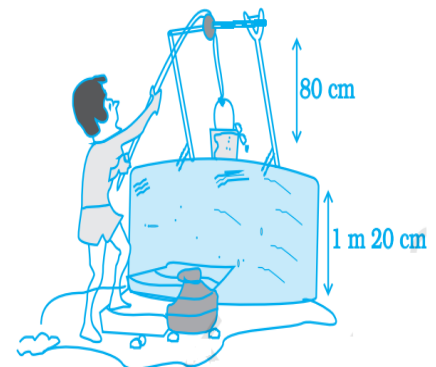
Subject : Math   **Parent's sign :**

Integers

1. Water level in a well was 20m below ground level. During rainy season, rain water collected in different water tanks was drained into the well and the water level rises 5 m above the previous level. The wall of the well is 1m 20cm high and a pulley is fixed at a height of 80 cm. Raghu wants to draw water from the well. Find the minimum length of the rope that he can use?

80 cm

1 m 20 cm

2. Sana and Fatima participated in an apple race. The race was conducted in 6 parts. In the first part, Sana won by 10 seconds. In the second part she lost by 1 minute, then won by 20 seconds in the third part and lost by 25 seconds in the fourth part, she lost by 37 seconds in the fifth part and won by 12 seconds in the last part. Who won the race finally?

3. The highest point measured above sea level is the summit of Mt. Everest Which is 8,848m above sea level and the lowest point is challenger Deep at bottom of Mariana Trench which is 10911m below sea level. What is the vertical distance between these two points?

4. The table given below shows the elevations relative to sea level of four locations. Taking sea level as zero, answer the following questions:
   i. Which location is closest to sea level?

Location	Elevation (in m)
A	−180
B	1600
C	−55
D	3200

   ii. Which location is farthest from sea level?

   iii. Arrange the locations from the least to the greatest elevation.

5. i. Write two integers whose product is smaller than both the integers.

   ii. Write two integers whose product is greater than both the integers.

   iii. Write two negative integers whose difference is 7.