

**APSK- HOLIDAY HOMEWORK - MATHS- VII**

**WORKSHEET**

- Q 1. At Srinagar temperature was  $-5^{\circ}$  C on Monday and then it dropped by  $2^{\circ}$  C on Tuesday. What was the temperature of Srinagar on Tuesday? On Wednesday, it rose by  $4^{\circ}$  C. What was the temperature on this day?
- Q2. Mohan deposits Rs 2,000 in his bank account and withdraws Rs.1,642 from it, the next day. If withdrawal of amount from the account is represented by a negative integer, then how will you represent the amount deposited? Find the Balance in Mohan's account after the withdrawal
- Q3. Write down a pair of integers whose:  
(a) Sum is - 7 (b) difference is - 10 (c) sum is 0.
- Q4. Write a pair of negative integers whose difference gives 8.
- Q5. Write a negative integer and a positive integer whose sum is  $- 5$ .
- Q6 Write a negative integer and positive integer whose difference is  $- 3$ .
- Q7 In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If John's scores in five successive rounds were 25,  $- 5$ ,  $- 10$ , 15 and 10, what was his total at the end?
- Q8 Fill the missing  
1.  $(-3) \times (-4) = \underline{\hspace{2cm}}$   
2.  $(-7) \times (-2) \times (-1) = \underline{\hspace{2cm}}$   
3.  $(-15) \times [(-7) + (-1)] = \underline{\hspace{2cm}}$
- Q9 Vidya and Pratap went for a picnic. Their mother gave them a water bag that contained 5 litres of water. Vidya consumed  $\frac{2}{5}$  of the water. Pratap consumed the remaining water. How much water did Vidya drink?
- Q10. A car runs 16 km using 1 litre of petrol. How much distance will it cover using 32 litres of petrol?
- Q 11. A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol?
- Q12. In a class of 40 students  $\frac{1}{5}$  of the total number of students like to study English,  $\frac{2}{5}$  of the total number like to study mathematics and the remaining students like to study Science. What fraction of the total number of students like to study Science?

Q13. Lipika reads a book for 3 1/4 hours every day. She reads the entire book in 6 days. How many hours in all were required by her to read the book?

Q14 Sali plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is 3 4/5 m. Find the distance between the first and the last sapling.

Q15 Each side of a regular polygon is 2.5 cm in length. The perimeter of the polygon is 12.5 cm. How many sides does the polygon have?

Q16 Find

a)  $\frac{2}{7} \times 12$

b)  $\frac{6}{14} \div \frac{18}{21}$

Q17 Simplify –

a)  $12 - [3 \times \{16 - 3 \div 3\} - 9 - 8]$

b)  $36 + \{12 \div 4 - 9 + (8 \times 9 - 0)\}$

c)  $-64 \times 8 \div 4 \times 8 - 9 + 6$

d)  $-94 \div 2 \times 5 - 6 \times 7$

Q18 Find

a)  $2\frac{2}{7} + \frac{6}{8} - \frac{4}{12}$

b)  $5\frac{1}{6} - \frac{4}{8} \times \frac{1}{4}$

Q19 Is commutative property under subtraction true for integers .Justify?

Q20 Verify  $a \div (b \div c)$  is not equal to  $(a \div b) \div c$  for  $a = 2$ ,  $b = -4$  and  $c = 1$

### ACTIVITY WORK

1) To make wall hanging showing fractions in descending order

Aim- Students are able to compare fractions.

2) To make wind chyme showing like or equivalent fractions

Aim- Better understanding of like and equivalent fractions.