

Second Term Evaluation – 2016-17

Mathematics

Standard - VII

Time 2 hours

Instructions

1. Before the evaluation works 15 minutes is cooling time. This time is to grasp the questions by careful reading.
2. Answer all questions

Activity - I

- a) Draw a triangle of sides 9 centimetres, 7 centimetres and 6 centimetres
- b) Anu made 2 triangles using 6 Eerkil pieces. The lengths of Eerkil pieces she used are 6 c.m, 8c.m, 5c.m, 2c.m, 4c.m, 11c,m

Write the lengths of Eerkil pieces she used to make each triangle (use one piece once)

Activity - 2

The table given below contains the details of one day's journey of Amina

- a) Complete the table

Distance	Time	Average speed
120 k.m	60 k.m/hr.
.....	3 hours	50 k.m/hr.

- b) What is the average speed of Amina's entire journey?

Activity – 3

- Write 5184 as the product of prime numbers and find its square root.
- Joseph's plot is in square shape. Its area is 400 sq.metre. Find the length of its one side
- The sides of Muhammed's plot is double in length than Joseph's. If so what is the area of Muhammed's plot?

Activity – 4

Thomas and Manoj started a business together. Thomas invested Rs. 60000 and Manoj Rs. 40000

- Write the ratio of the amounts in the smallest form which Thomas and Manoj invested.
- Rs. 5000 got as profit in one week. If they divide this in the ratio of their investment, how much rupees each one will get?
- Next week when they divided the profit in the ratio of their investment Manoj got 3000 rupees. How much did Thomas get?

Activity - 5

- 18 km/hour =metre/second
- One vehicle travels in a speed of 36 k.m/hr. How much distance this vehicle travel in 6 minutes?

Activity - 6

- In the given below numbers one is not a perfect square. Which one is it?
(3025, 9216, 3023, 6084)
- If $112 \times 112 = 12544$, find the square of 1.12 ?
- Find the square of $1 \frac{3}{4}$?
- Raju calculated the sum of consecutive odd numbers from 1 to 45. Biju calculated the sum of consecutive odd numbers from 1 to 46. What is the difference between the sums of both?
