

## SECOND TERM EVALUATION 2017-18

### MATHEMATICS

STANDARD - 5

Time: 2 hours

**Instructions :**

1. 15 minutes cool off time is to be allotted to read and understand the activities before evaluation begins.
2. Answer any six activities from the following.

**Activity - 1**

- a. Draw a circle and divide it into 6 equal parts.
- b. What part of a circle will we get if we join three parts together ?
- c. Shade  $\frac{2}{6}$  parts of the circle.
- d. What part of the circle is unshaded ?

**Activity - 2**

Rajan, the weaver weaves clothes daily and he distributes a particular quantity of clothes to five orphanages equally. Details of clothes kept for the orphanages are given below.

Day (in meters)	Quantity of clothes kept for orphanages(in meters)	Quantity of clothes received by each orphanage(meters)	In the form of natural number and a fraction
Monday	18	$\frac{18}{5}$	$3\frac{3}{5}$
Tuesday	13		
Wednesday	16		
Thursday	17		
Friday	11		

- a. Complete the table
- b. On which days do the orphanages get more than 3 meters of clothes ?

**Activity - 3**

Ummukulsu divided a rectangular card got from maths class into 16 unit squares of length 1cm. and breadth 1 cm.

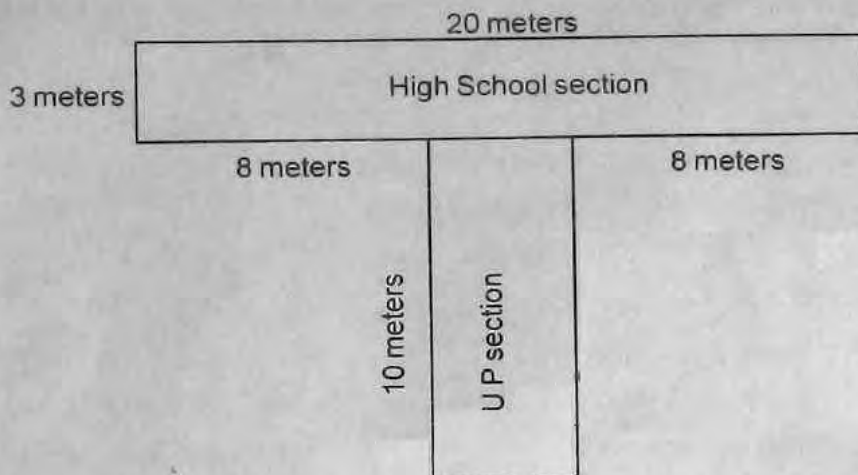
- a. What is the area of the rectangular card she got first?
- b. Write the length and breadth of any 3 rectangles formed by combining 16 unit squares together to get a single rectangle.
- c. In such figures, how many unit squares will be there on one side of the square?

#### Activity - 4

Mathew bought 12 litres of milk and Joseph bought 18 litres of milk from Ramu. Ramu has all types of measuring vessels. Which is the highest measuring vessel that can be used to measure both in litres?

#### Activity - 5

The model of the vegetable garden for U P and HS Section students of Tagore Memorial High School is given below.



- What is the area of the vegetable garden for High school students ?
- What is the breadth of the vegetable garden for U P Students ?
- What is the area of the vegetable garden for U P section ?
- What is the total area of the vegetable garden ?
- How larger is the area of the vegetable garden for High School section than U P section?

#### Activity - 6

Deepu got a toy as his birthday gift. It has 3 different coloured bulbs. He found that the red bulb blinks once in every 9 seconds, green bulb blinks once in every 5 seconds and blue bulb blinks once in every 3 seconds. In what intervals (in seconds) do these bulbs blink together?

#### Activity - 7

To construct a rectangle with 6 unit squares in rows and 2 unit squares in columns.

- How many unit squares are needed ?
- What is the area of that rectangle ?
- How many more minimum number of unit squares are needed to construct a rectangle which is larger than the above constructed rectangle without changing the breadth ?