शिक्षा का अधिकार
सर्व शिक्षा अभियान
सब पढ़ें सब बढ़ें

First Term Evaluation 2017-18
Mathematics

Standard : 6   **Time : 2 hrs**

Instructions

1.   15 minutes are allotted as cool of time. Read and comprehend the questions.
2.   **Eight** activities are given. Answer any **six**.

Activity 1

a.   What is the time in the clock?
b.   Find the measure of the angle formed by the minute hand and hour hand of the clock?
c.   Find the measure of the angle formed when the time is 2 O'clock? Draw the figure.

Activity 2

For arranging biodiversity park in a school, $\frac{2}{5}$ of the total land is needed for butterfly park.

a.   How many parts of land is remaining for other needs?

b. $\frac{1}{3}$ of the remaining land is needed for star forest. What part of the whole is needed for star forest?

c.   How many part is needed for both butterfly park and star forest?

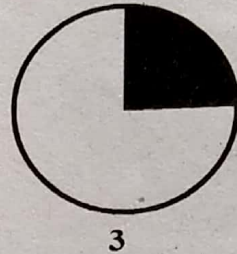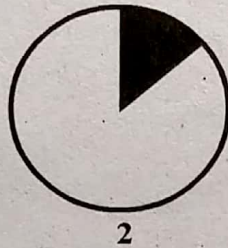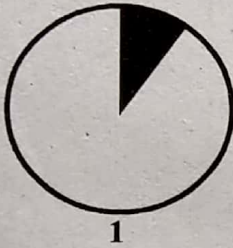d.   The remaining part is for a pond. What part is needed for a pond?

Activity 3

a. In connection with environment friendly year, school decided to supply food in plantain leaves for the school youth festival. Duties assigned to different clubs for collecting plantain leaves are given in the table. Complete the table.

Name of club	Number of members	Total number of leaves	Average number of leaves
Vidhyarangam	40	120	-
Health club	-	80	4
Environment club	30	-	5

b. 500 leaves were required for supplying the food. The charge for collecting the remaining number of leaves were given to the members of Haritha club. If the Haritha club members brought an average of 10 leaves, find the number of members in the club?

Activity 4

Babu has only one setsquare in his instrument box. Using the setsquare he drew 3 different angles in the circles and shaded them.

1   2   3

a. Find the measure of each angle in degrees (using setsquare)..

b. How many parts of the circle is shaded in each figure ?

c. How many parts is not shaded in the 3rd circle?

Activity 5

Sreelekshmi is an employee of a Maveli store. She packed grains in small packets. Complete the following table.

No.	Name of grains	Quantity	Quantity in packets	Number of packets
a	Green gram	40 kg	½ kg	-
b	Bold gram	25 kg	-	100
c	Black gram	15 kg	¾ kg	-
d	Bengal gram (Split)	20 ½ kg	¼ kg	-

Activity 6 - Complete the table.

In Sukapuram UPS there are 15 students in Standard VI. Physical Education teacher divided them into three equal groups. Average weight of the members in the groups are given below.

Group 1	Group 2	Group 3
28 kg	26 kg	30 kg

a. How many members are there in each group ?

b. Find the total weight of the students in group 1 and 2 ?

c. One more student joined the 3rd group. There was no change in the average weight of the group. Find the weight of the new student ?

Activity 7

Daily, there are four shows in a theatre. One ticket charges Rs.100/-. The table shows the number of viewers in the theatre.

Show	No. of viewers
1	260
2	248
3	282
4	310

a. Find the total number of viewers?

b. Find the average number of viewers who watched all the shows?

c. Find the average number of viewers in the first two shows?

d. Find out the total collection of the theatre on the day?

Activity 8

a. A ribbon of length one meter is divided into four equal parts. If one part is cut out from it, what part of the whole does the piece represent?

b. Divide the remaining part into 2 equal pieces. What part of the whole does one piece of the ribbon represent ?

c. Which of the following are equal?

A) $\frac{1}{3}$ of $\frac{1}{2}$ B) 3 times $\frac{1}{2}$ C) $\frac{1}{3}$ of 2   D) 2 times $\frac{1}{3}$

[(A, B), (B, C), (C, D), (D, A)]

d. Which among the above is greater than '1' ?

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