

Class : 5

Mathematics

Time : 2 hours

## Instructions

1. 15 minutes cool-off time is allotted for reading and understanding the activities.
2. Answer any **FIVE** activities from the **SEVEN** activities given.

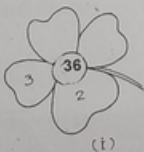
## Activity - 1 - Numbers in the Petals

The prime factors of a number is given in the petals of the flower.

- A) Find the number.



- B) Find out the prime factors in the petals below so as to get the number in the middle as their product.



### Activity – 2 – Find the Amount

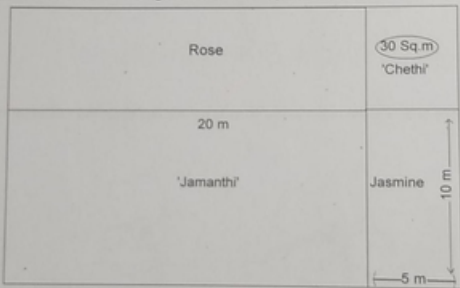
The amount collected by the students in a UP school as flood relief is listed below. The amount collected is distributed equally to the deserving students in the class.

Division	Amount collected (Rs)	Number of deserving students	Amount each one gets (Rs.)
V A	1800	5	---
V B	---	8	600
VI A	3000	---	300
VII A	---	5	750

- A) Complete the table.  
B) Find the total amount collected.

### Activity – 3 – Garden

A rectangular plot in front of Mannathanam Govt. U.P School is divided into four rectangular portions as shown in the figure. Four different plants are planted here.



- A) Find the area of the plot where jasmine is planted.  
B) Find the length and width of the plot where 'chethi' is planted.  
C) They made a biodiversity fence around the plot where jamanthi is planted. Find the length of the fence.  
D) Find the total area of the garden.

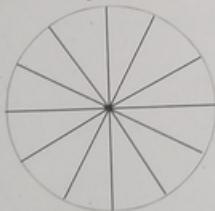
### Activity – 4 – Let's Draw a Circle

- A) What is the radius of a circle of diameter 12 cm?  
a) 24 cm b) 6 cm c) 3 cm d) 12 cm
- B) • Draw a rectangle of length 4 cm and width 3 cm.  
• Join the opposite corners of the rectangle.  
• Consider the meeting point of these lines as centre, draw a circle passing through all the corners of the rectangle.
- C) • Measure and write the radius of this circle.

### Activity – 5 – Let's Shade

When a cake is cut into equal pieces, Meena got  $\frac{1}{2}$  part, Leena got  $\frac{1}{3}$  part and Seena got  $\frac{1}{6}$  part of it.


- A) If the cake is cut into 18 equal parts, what part of the cake does each one get? Write them in the fractional form with 18 as its denominator.
- B) Draw the picture given below and shade  $\frac{5}{6}$  part of it.


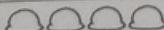




- C) Write the fraction of the unshaded portion.

### Activity – 6 – How many Hats?

As a part of Pravesanolsavam, hats of different colours were given to students from Class I to Class IV in G.L.P.S Aarattukara. (Picture of one hat denotes 100 hats).

 = 100 hats.

Colour	No. of hats
Yellow	
Orange	
Blue	
Green	

- A) Which hats are added together to get the number of yellow hats?  
B) How many green hats are used?  
C) How much more is the number of yellow hats than the orange hats?  
D) How many hats were used in the rally?

### Activity – 7 – Fraction Box

Fill in the blanks

A)  $\frac{3}{2} = \frac{\dots\dots}{24} = \frac{15}{\dots\dots}$

B)  $1\frac{1}{2} = \frac{\dots\dots}{2} = \frac{\dots\dots}{6}$

C)  $\frac{3}{4} = \frac{\dots\dots}{12} = \frac{15}{\dots\dots}$

D)  $\frac{1}{2} + \frac{1}{4} + \dots\dots = 1$

E)  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \dots\dots = 1$