

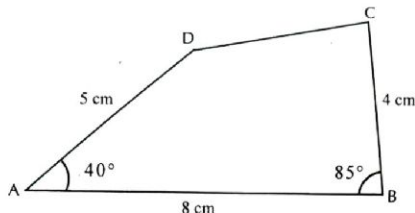
Standard: VI

Mathematics

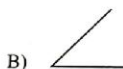
Time: 2 Hrs

- ♦ 15 minutes is given as cool-off time.
- ♦ Read the questions carefully during this time.
- ♦ Attempt **any six** activities from the activities given.

Activity 1



- Name the largest angle from the figure.
- Draw the same shape with the measurements as given in the figure.
- Which of the following is less than a right angle?



Activity 2

The weight of 5 children of Standard VI are given below.

Sl. No.	Name of the child	Weight (Kilograms)
1	Arun	35
2	Hasna	30
3	Jomon	38
4	Meenu	36
5	Najeeb	41

- What is the average weight of a child?
 - When one child is left from the group of five children, the average weight did not change. What is the weight of the child who has left?
- A) 35 kilograms B) 41 kilograms C) 38 kilograms D) 36 kilograms

- c) When the average weight was calculated after adding the weight of the teacher with the weight of five children, the average weight increased by 3 kilograms. What is the weight of the teacher?

Activity 3

3 kilograms of sugar was filled into 5 packets of the same size.

- a) How many kilograms of sugar are there in one packet?
b) Neenu took 3 packets of sugar from it. How many kilograms of sugar are there in the 3 packets?
c) The sugar taken by Meenu was divided into two equal parts. A portion of it is given to Anu. How many kilograms of sugar did Anu get?
d) Which of the following is not equal to 1?

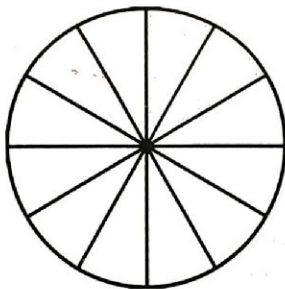
A) $4 \times \frac{1}{4}$

B) $\frac{3}{4} \times \frac{4}{3}$

C) $\frac{1}{10} \times 5$

D) $2\frac{1}{2} \times \frac{2}{5}$

Activity 4



The circle is divided into equal parts.

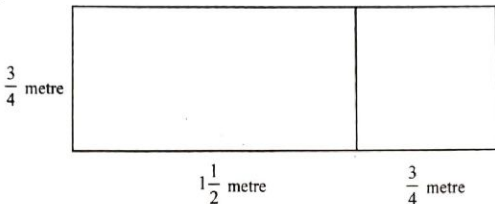
- a) Write the fraction that represents the shaded portion of the circle.
b) Write the measure of the angle of the shaded portion.
c) Draw a circle with a radius of 4 centimetres and shade its $\frac{3}{10}$ part.
d) Which of the following shows the time when the angle between the hour hand and the minute hand on a clock is 120° .
A) 10 O' clock B) 7 O' clock C) 4 O' clock D) 9 O' clock

Activity 5

As a part of 'Reading Month Celebrations' 35 students of VI A donated books to the school library. A student gave an average of 9 books.

- What is the total number of books given by students of VI A?
- 192 books were given by 32 students of VI B. What is the average number of books given by a student?
- What is the average of 11 consecutive natural numbers starting from 9?

Activity 6



In the figure, a large rectangle is drawn by joining a rectangle and a square.

- What is the length of the large rectangle?
- What is the perimeter of the square?
- What is the area of the large rectangle?

Activity 7

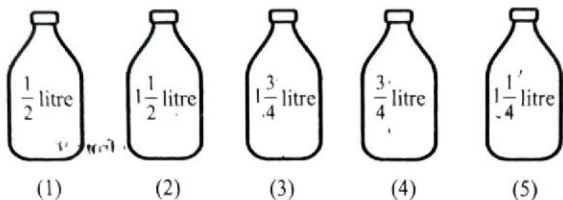
As a part of learning activity, 6 students of class VI brought *manchadis* as follows.

Name	Number
Sethu	40
Mary	42
Russel	44
Manu	36
Anu	32
Salman	46

- What is the average number of *manchadis* brought by a student?
- Two new students came to this group. They brought 44 *manchadis* each. Now, what is the average number of *manchadis* brought by one student in this group?
- If you consider 8 students, how many more *manchadis* are needed to make 50 as the average of one student?

Activity 8

Mary filled the milk into five bottles to distribute at houses.



- a) What is the total quantity of milk?
- b) What is the difference between the quantity of milk in the bottle with more quantity of milk and less quantity of milk?
- c) Ravi needs $2\frac{3}{4}$ litres of milk. Which set of bottles given below, will make it $2\frac{3}{4}$ litres?
- A) 1, 2, 3 B) 1, 3, 4 C) 1, 2, 4 D) 2, 4, 5