**Class : 6**   **Time : 2 hrs**

Instructions

1. 15 minutes cool off time is to be allotted for reading and understanding the activities.

2. Answer any **SIX** activities from the given **EIGHT** activities .
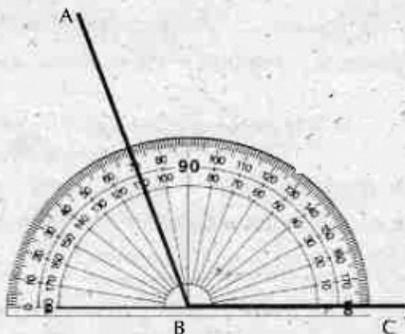
Activity 1 - Which is true...?

A worksheet for measuring angles is given to all students. Each student has to measure the angle using a protractor. Students placed the protractor in different ways. Of these, four of them are given below.
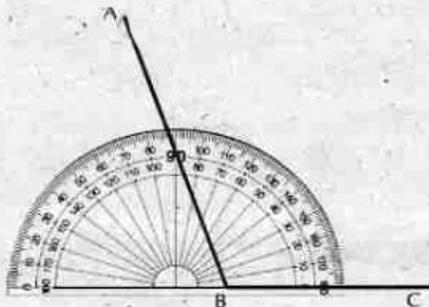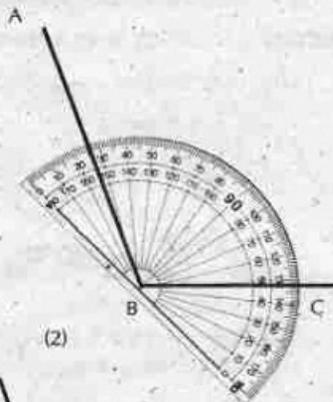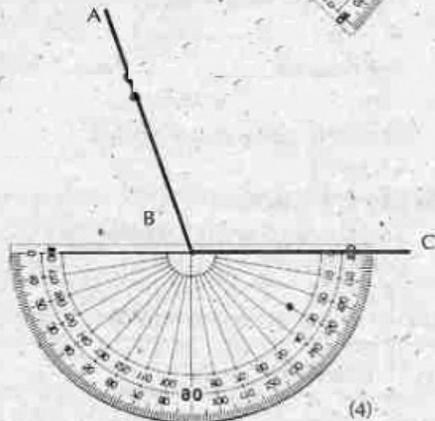

A) Which picture shows the correct position of the protractor?

B) What is the correct measurement of the angle?

C) Draw ∠PQR with half the measure of the angle given in the picture.

Activity 2 - Let's Buy. . .

The following table shows the details of items purchased in a school for the noon-meal.

Items	Quantity	Price for 1 kilogram (in rupees)	Total price
Tomato	2 kg	$20\frac{1}{2}$	41 rupees
Potato	$3\frac{1}{2}$ kg	25	....
Peas	5 kg	$30\frac{1}{2}$	....
Dal	$2\frac{1}{4}$ kg	32	....

A) What is the total weight of all the items?
B) Complete the table.
C) Which item has the highest price?

Activity 3 - Clock and Needle

The following pictures of clocks show different time.

A   B   C
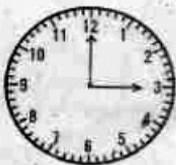
A. Which among the following is correct with regard to the hands of the clock in the order 90°, greater than 90°, less than 90°?

1) A, B, C   2) A, C, B   3) B, C, A   4) C, B, A

B. The time shown in Clock A is 3 O' clock. How much degrees will the minute hand move to reach the time at 3.15?

C. Draw the hands of the clock, which shows 4 O'clock. Also write the angle formed at 4 O'clock.

Activity 4 - Cricket

The scores gained by the Indian cricket team in various matches in a series are given below.

Sl.No.	Name of the player	Match 1	Match 2	Match 3	Match 4	Match 5	Average score
1	Shikkar Dhavan	35	40	45	50	55	
2	-Revindra Jadeja	35	62	33	30	Not played	
3	Rohit Sharma	43	32	35	33	57	40
4	Virad Kohli	38	36	42	Not played	48	

A) The scores of Sikhar Dhavan is in a sequence. What is his average score? Which is the simplest way to find the average?

B) Find the average score of each player and complete the table.

C) Who is the man of the series? (Based on the highest average score)

Activity 5 - Flag Post

Look at the diagram of flag post in Raju's school.
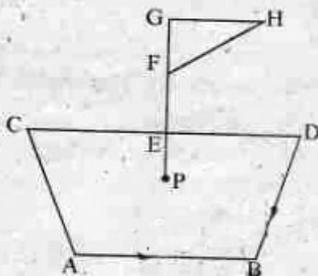
A) How many angles are there in the picture?

B) Which type of angles are more in the picture?

C) Classify and complete the table.

Greater than 90° (Name of the angle)	Less than 90° (Name of the angle)	Right angle (90°) (Name of the angle)
....	....	....
....	....	....
....	....	....
	....	....
		....

Activity 6 - Class Library

For setting class library, students of class 6 collected amount as donation. Details are given below.

| Division	Number of students	Donation (in rupees)	Average
6 A	20	500	....
6 B	....	800	32
6 C	30	....	50

A) Draw and complete the table.

B) When one more student joined in class 6 A; the average increased by 5 rupees. Which among the following is the amount collected from 6 A?

1. $30 \times 20 = 600$

2. $30 \times 21 = 630$

3. $25 \times 20 = 500$

4. $25 \times 21 = 525$

Activity 7- School Renovation

Janakiya Samithi decided to renovate Raju's school. As a part of this, Raju and his friends decided to pave tiles on the verandah. The sketch of the verandah is given below.
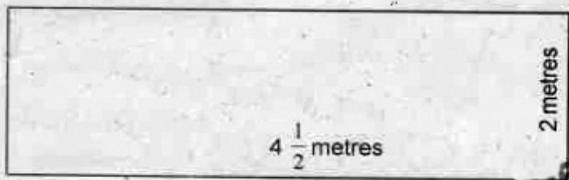
$4\frac{1}{2}$ metres

2 metres

A) What is the area of the verandah?

B) How many square tiles of side $\frac{1}{2}$ metre, are required to pave the verandah?

C) What part of the verandah is the area of one square tile?

D) After finishing the work, how many tiles will be in length wise?

Activity 8 - Ramu's Farm

Khadar and Francis are coconut plucking workers. They used to work in two farms of Ramu. The number of coconut trees in Ramu's farms are given below.

Farm-1	Farm-2
400 coconut trees	332 coconut trees

Khadar took 5 days in Farm-1 and Francis took 4 days in Farm-2 for plucking coconuts.

A) What is the average number of coconut trees climbed by each of them in one day?

B) Based on the average, who can be considered as the best climber. Why?

C) What is the difference between their averages?