DR. M.K.K. ARYA MODEL SCHOOL, PANIPAT

CLASS- VIII

MATHS ASSIGNMENT

CH. 4(PRACTICAL GEOMETRY) AND CH. 5(DATA HANDLING)

1. Construct a rectangle ABCD in which AB = 6 cm and BC = 5 cm.
2. Construct a square ABCD of side 4.5 cm.
3. Construct a parallelogram PQRS given PQ = 4.5 cm, QR = 3.5 cm and PR = 5.4 cm.
4. Construct a rhombus ABCD given AB = 6 cm and $\angle A = 50°$.
5. Construct a rhombus ABCD in which AC = 7 cm and BD = 5 cm.
6. Represent the following distribution of ages (in years) of 35 teachers in a school by means of a histogram.

Age (in years)	25-30	30-35	35-40	40-45	45-50
Number of teachers	12	11	8	1	3

7. The way Mr. Sharma spends his allowance is given below.

Item	percent
Lunch	25%
Hobby	20%
Recreation	40%
Saving	15%
Total	100%

Represent the above information by a pie chart.

8. The number of books lent out by a school library each day is shown in the following table.

Day	Mon	Tue	Wed	Thurs	Fri
Number of books lent	10	25	33	16	6

9. A card is drawn from a pack of 100 cards numbered 1 to 100. Find the probability of drawing a number which is a square.
10. A card is chosen at random from an ordinary deck of playing cards. What is the probability that (a) a diamond is chosen (b) a king is chosen
    (c) a black 4 is chosen (d) a 7 of hearts is chosen
11. A die is tossed once. What is the probability of the number "7" coming up? What is the probability of a number "less than 7" coming up?
12. Instead of numbers, the letters in the word CHANCE were stuck on a die. Find the probability of rolling: (i) letter H (ii) a vowel (iii) a consonant (iv) any letter except E.
13. The following table shows the number of students in a school playing five different games.

Games	Football	Hockey	Cricket	Tennis	Squash
Number of students	200	175	250	75	50

14. The number of a students in a class arriving late for school one week was:

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	4	5	2	3	2
Week 2	6	3	4	1	2

Draw a dual chart to show the above set of data.