

SATISH CHANDRA MEMORIAL SCHOOL

CLASS-VIII

SUBJECT-MATHEMATICS

1. The marks scored by 20 students in a test are given below:

84, 57, 53, 89, 41, 57, 47, 64, 58, 44, 53, 72, 51, 78, 71, 62, 56, 68, 54, 42

Complete the following frequency table:

Marks in class interval	Tally Marks	No. of students
40–50		
50–60		
60–70		
70–80		
80–90		

- (i) What is the upper limit of 40–50?
- (ii) What is the upper limit of 70–80?
- (iii) What is the class size?
- (iv) Which interval has the maximum frequency?
- (v) Which interval has the minimum frequency?
- (vi) The score 51 will lie in which interval?

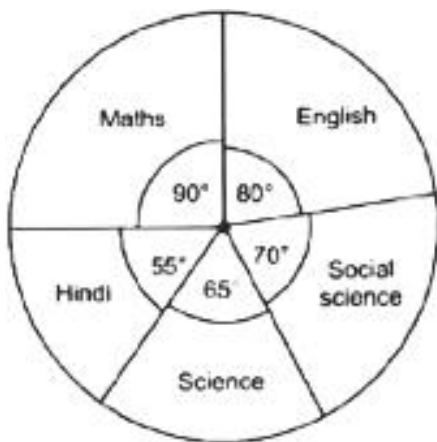
2. Draw a histogram for the daily earnings of 30 general stores given in the following table:

Daily earnings (in Rs)	Number of general stores
1450–1500	4
1500–1550	10
1550–1600	9
1600–1650	18
1650–1700	5

3. A bag-I contains four cards numbered 1, 3, 5 and 7 respectively. Another bag-II contains here cards numbered 2, 4 and 6 respectively. A card is drawn at random from each bag. Find the probability that the sum of two cards drawn is 9.

4. In a simultaneous throw of a pair of dice, find the probability of getting:
- A doublet.
 - A doublet of prime numbers.
 - An even number on first.
 - An even number on one and a multiple of 3 on the other.
 - Neither 9 nor 11 as the sum of the numbers on the faces.
 - A number other than 5 on any dice.

5. The following pie-chart represents the marks scored by a students. If he obtained 540 as total marks, answer the following questions:



- In which subject did the student score 120 marks?
- What is the difference in the marks obtained in Maths and English?
- In which subject did he get minimum marks?
- What is the total score in Maths and Science?

6. If you have a collection of 6 pairs of white socks and 3 pairs of black socks. What is the probability that a pair you pick without looking is (i) white? (ii) black?