



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 2

SUBJECT: MATHEMATICS

CLASS-VIII

MAY'2025

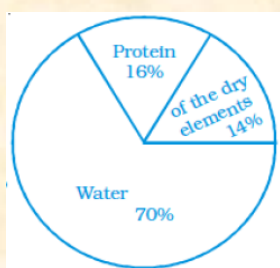
DATA HANDLING

1. The monthly salary of an average person is Rs.15,000. The central angle of the given sector representing his expenses on food and house rent on a pie chart is 60° . The amount he spends on his food and house rent is

- (a) Rs. 5000 (b) Rs. 2500 (c) Rs. 6000 (d) Rs. 9000

2. The pie chart given below shows the distribution of constituents in the human body. The central angle of the given sector showing the distribution of protein and other elements is

- (a) 108° (b) 54° (c) 30° (d) 216°



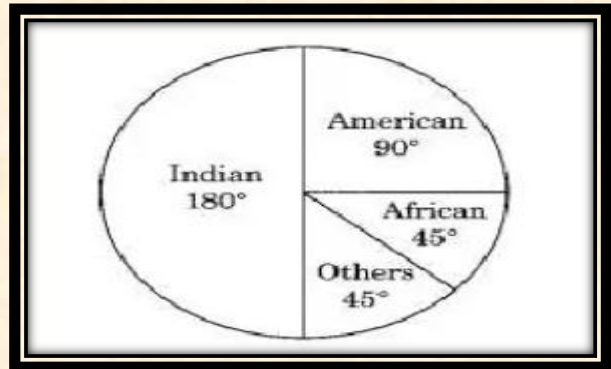
3. The number of students admitted in different faculties of a college are given below.

Faculty	Commerce	Arts	Science	Law	Computer	Total
Number of students	450	300	1200	1000	650	3600

Represent the above information by a pie-chart.

4. The following pie chart depicts the percentage of students nation wide. Find the percentage of

- (a) Indian Students (b) African students.



5. A bag contains 144 coloured balls which is represented by the following table.

Draw a pie chart to represent this information.

Colour	Number of balls
Red	12
Yellow	18
Blue	28
Green	42
White	44

6. Find the probability of getting a marble which is not red from a bag containing 3 black, 8 yellow, 2 red and 5 white marbles.

7. A standard pack of playing cards consists of 52 cards.

- (i) How many red cards are there? Find the probability of drawing a red card.
- (ii) How many hearts are there? Find the probability of drawing a heart.
- (iii) What is the probability of drawing a black jack?

8. A bag had 100 counters with numbers 1 to 100 written on each. Find out the probability of the following events when one counter was randomly drawn from the bag. Getting a number

- (a) below or equal to 50.
- (b) a composite number
- (c) an even prime number
- (d) a multiple of 3.
- (e) a perfect square number.