

SHRI DHARMASTHALA MANJUNATHESHWARA SCHOOL,

GRADE 8 WORKSHEET 4 - DATA HANDLING

- In the given pie chart, which colour is most popular? Which colour is the least popular?
- A die is thrown once. Find the probability of getting a number greater than 4.
- A class consists of 21 boys and 9 girls. A student is to be selected for social work.

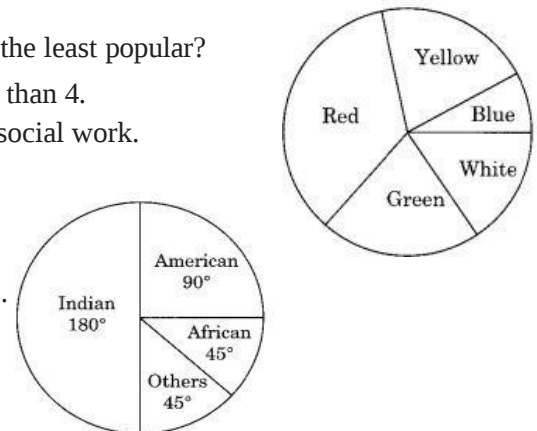
Find the probability that

- a girl is selected
- a boy is selected

- The following pie chart depicts the percentage of students, nationwide.

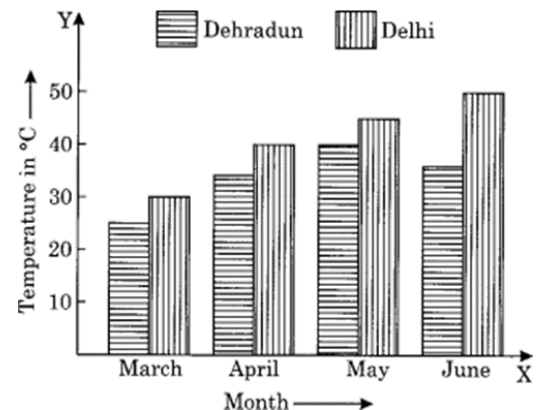
What is the percentage of

- Indian students
- African students?



- The double bar graph shows the average monthly temperatures of two cities over 4 months period. Read the graph carefully and answer the questions given below:

- What does each 1 cm block on the vertical axis represent?
- What was the average monthly temperature in Dehradun in
 - March
 - April
 - May
 - June?
- What was the average monthly temperature in Delhi for the whole 4 months?
- In which month was the difference between the temperature of Delhi and Dehradun maximum and how much?



- The following table represents the number of students in a school playing six different games. Present the information on a bar graph.

Games	Number of students
Hockey	175
Football	200
Cricket	150
Tennis	50
Squash	75
Badminton	40

- A bag contains 144 coloured balls represented by the following table. Draw a pie chart to show this information.
- Mrs Verma spends her allowance in the following way.

Items	Percent
Lunch	25%
Hobby	20%
Recreations	40%
Saving	15%
Total	100%

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

Represent the above information by a pie chart.

9. What is the probability of getting a marble which is not red from a bag containing 3 black, 8 yellow, 2 red and 5 white marbles?
10. From a well shuffled deck of 52 playing cards, a card is selected at random. Find the probability of getting
 - (i) a black card
 - (ii) a black king
 - (iii) an ace
 - (iv) a card of diamond
11. A die is thrown. What is the probability of getting:
 - (i) an even number?
 - (ii) an odd number?
 - (iii) A number between 3 and 6?
12. What is the probability of a number selected from the numbers 1, 2, 3,....., 20 such that it is a prime number?
13. A bag contains 3 blue and 2 red balls. A ball is drawn at random. What is the probability of drawing a red ball?
14. 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.

15. Draw a pie-chart for the following data of expenditure on various items in a family.

Item	Food	Clothing	Rent	Education	Miscellaneous
Expenditure	15000	5000	14000	20000	6000