

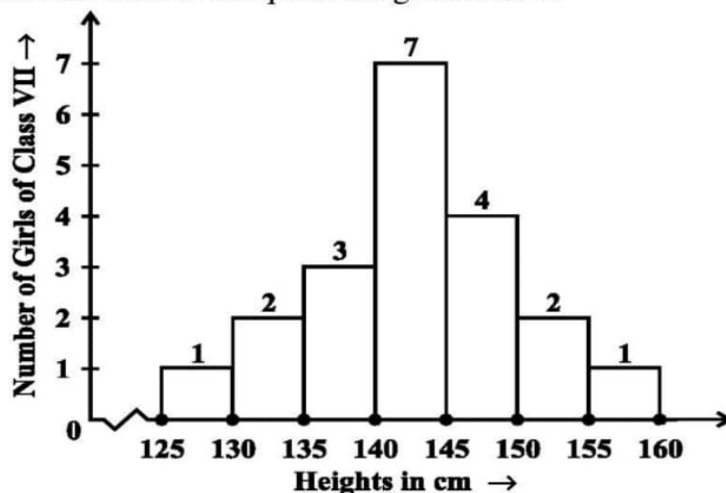


ADRIEL HIGH SCHOOL
Session-2025-2026
Class VIII- Maths Worksheet
Data Handling- HHW

1. A group of students were asked to say which animal they would like most to have as a pet. The results are given below:
 dog, cat, cat, fish, cat, rabbit, dog, cat, rabbit, dog, cat, dog, dog, dog, cat, cow,
 fish, rabbit, dog, cat, dog, cat, cat, dog, rabbit, cat, fish, dog.
 Make a frequency distribution table for the same.

2. Construct a frequency distribution table for the data on weights (in kg) of 20 students of a class using intervals 30-35, 35-40 and so on.
 40, 38, 33, 48, 60, 53, 31, 46, 34, 36, 49, 41, 55, 49, 65, 42, 44, 47, 38, 39.

3. Observe the histogram and answer the questions given below.



- (i) What information is being given by the histogram?
- (ii) Which group contains maximum girls?
- (iii) How many girls have a height of 145 cms and more?
- (iv) If we divide the girls into the following three categories, how many would there be in each?
 150 cm and more — Group A
 140 cm to less than 150 cm — Group B
 Less than 140 cm — Group C

4. The shoppers who come to a departmental store are marked as: man (M), woman (W), boy (B) or girl (G). The following list gives the shoppers who came during the first hour in the morning:
 W W W G B W W M G G M M W W W W G B M W B G G M W W M M W W
 W M W B W G M W W W W G W M M W W M W G W M G W M M B G G W
 Make a frequency distribution table using tally marks. Draw a bar graph to illustrate it.

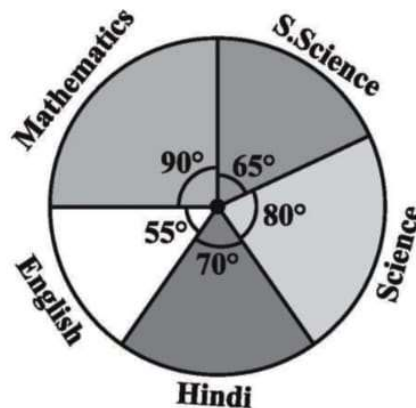
5. The weekly wages (in Rs) of 30 workers in a factory are.
 830, 835, 890, 810, 835, 836, 869, 845, 898, 890, 820, 860, 832, 833, 855, 845,
 804, 808, 812, 840, 885, 835, 835, 836, 878, 840, 868, 890, 806, 840
 Using tally marks make a frequency table with intervals as 800–810, 810–820 and so on. Draw a histogram for the frequency table and answer the following questions.
 (i) Which group has the maximum number of workers?
 (ii) How many workers earn Rs 850 and more?
 (iii) How many workers earn less than Rs 850?

11. The number of students in a hostel, speaking different languages is given below. Display the data in a pie chart.

Language	Hindi	English	Marathi	Tamil	Bengali	Total
No. of Students	40	12	9	7	4	72

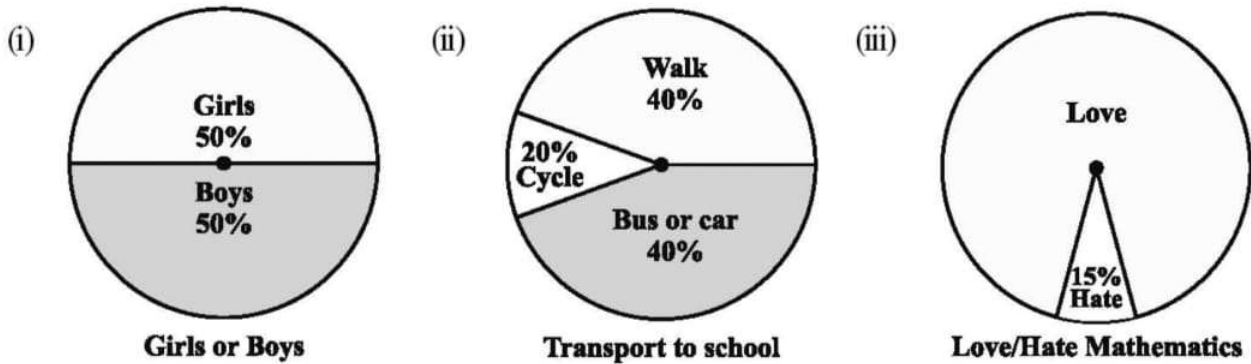
12. The adjoining pie chart gives the marks scored in an examination by a student in Hindi, English, Mathematics, Social Science and Science. If the total marks obtained by the students were 540, answer the following questions.

- (i) In which subject did the student score 105 marks?
 (ii) How many more marks were obtained by the student in Mathematics than in Hindi?
 (iii) Examine whether the sum of the marks obtained in Social Science and Mathematics is more than that in Science and Hindi.



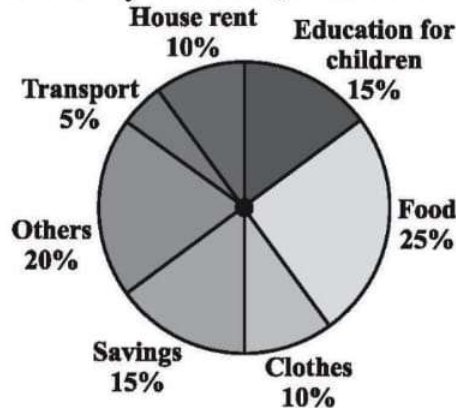
13. A box contains 3 blue, 2 white, and 4 red marbles. If a marble is drawn at *random* from the box, what is the probability that it will be (i) white? (ii) blue? (iii) red?
14. A die is thrown once. Find the probability of getting (i) a prime number; (ii) a number lying between 2 and 6; (iii) an odd number.
15. A bag contains 3 red balls and 5 black balls. A ball is drawn at random from the bag. What is the probability that the ball drawn is (i) red ? (ii) not red?
16. A box contains 5 red marbles, 8 white marbles and 4 green marbles. One marble is taken out of the box at random. What is the probability that the marble taken out will be (i) red ? (ii) white ? (iii) not green?
17. A bag has 4 red balls and 2 yellow balls. A ball is drawn from the bag without looking into the bag. What is probability of getting a red ball?
18. Cards marked with numbers 1 to 25 are placed in the box and mixed thoroughly. One card is drawn at random from the box. What is the probability that the cards are marked with (i) a prime number (ii) an even number (iii) a number multiple of 5 (iv) a number divisible by 6 and (v) a number 4.
19. When a die is thrown, list the outcomes of an event of getting (i) (a) a prime number (b) not a prime number. (ii) (a) a number greater than 5 (b) a number not greater than 5.
20. Numbers 1 to 10 are written on ten separate slips (one number on one slip), kept in a box and mixed well. One slip is chosen from the box without looking into it. What is the probability of .
 (i) getting a number 6?
 (ii) getting a number less than 6?
 (iii) getting a number greater than 6?
 (iv) getting a 1-digit number?

6. Each of the following pie charts gives you a different piece of information about your class. Find the fraction of the circle representing each of these information.



7. Below pie chart gives the expenditure (in percentage) on various items and savings of a family during a month.

- On which item, the expenditure was maximum?
- Expenditure on which item is equal to the total savings of the family?
- If the monthly savings of the family is Rs 3000, what is the monthly expenditure on clothes?






8. On a particular day, the sales (in rupees) of different items of a baker's shop are given below. Draw a pie chart for this data.

ordinary bread	: 320
fruit bread	: 80
cakes and pastries	: 160
biscuits	: 120
others	: 40
Total	: 720

9. Draw a pie chart of the data given below. The time spent by a child during a day.

Sleep	—	8 hours
School	—	6 hours
Home work	—	4 hours
Play	—	4 hours
Others	—	2 hours

Season	No. of votes
Summer 	90
Rainy 	120
Winter 	150

10. A group of 360 people were asked to vote for their favourite season from the three seasons rainy, winter and summer (shown in above fig.).

- Which season got the most votes?
- Find the central angle of each sector.
- Draw a pie chart to show this information.