

MATHS

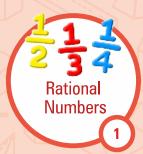
SAMPLE BOOK





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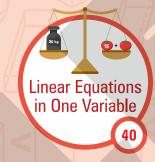
GRADE-8

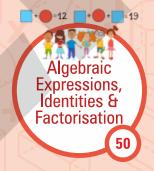


















Experiential Experimental Edutaining



I AM PROGRESSING

(Tick mark the columns after achieving the Learning Milestones)



TOPIC	1 st Learning	Exercise Solving	1 st Revision	2 nd Revision	
Rational Numbers					
Squares & Square Roots					1
Cubes & Cube Roots					
Exponents & Powers					
Linear Equations in One Variable					1
Algebraic Expressions, Identities & Factorisation					
Playing With Numbers					
Introduction to Graphs & Data Handling					



MATHS

SAMPLE THEORY

CHAPTER 8

INTRODUCTION TO GRAPHS & DATA HANDLING

INTRODUCTION

Data means collecting information, generally in numeric form.

Example: Runs scored by a footballer in his last 12 matches are 1, 2, 2, 3, 5, 6, 3, 1, 0, 4, 4, 4.

Raw Data

The data in the form in which it was collected is Raw Data.

Observation

Each numerical value collected to form data is known as observation.

Frequency

The frequency of any particular observation is the number of times it occurs.

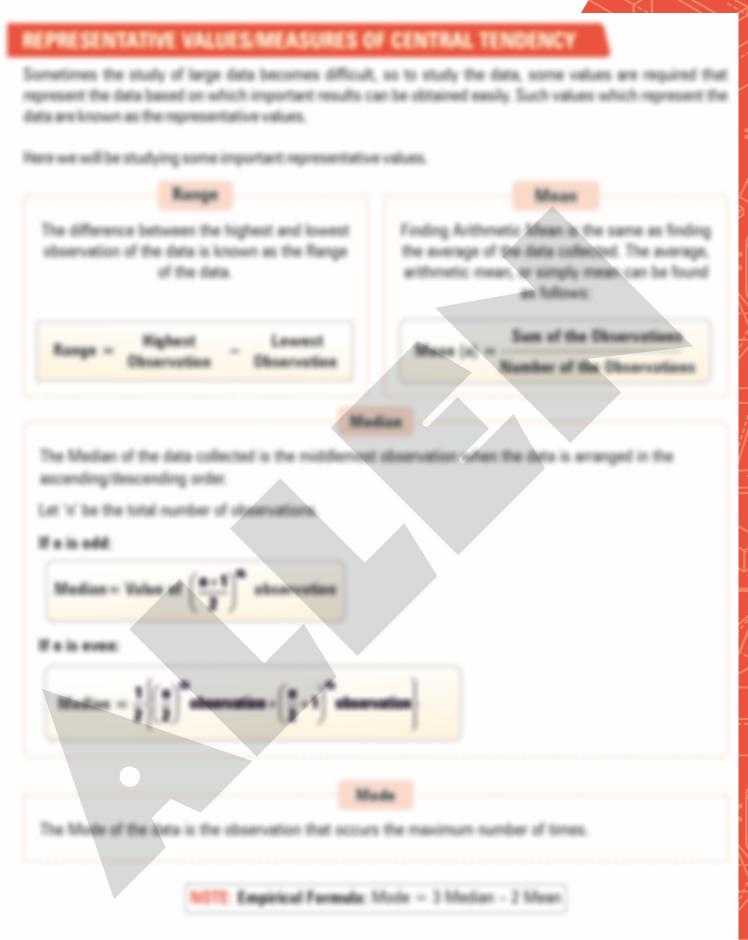
FREQUENCY DISTRIBUTION TABLE

We have already studied in previous grades how the data can be organised in the form of a table using tally marks. Such a table is also known as the **Frequency Distribution Table**.

The number of plants grown by 15 students is 3, 4, 6, 7, 8, 3, 4, 6, 7, 1, 5, 8, 8, 4, 9. The data given can be arranged in the Frequency Distribution Table as follows:

FREQUENCY DISTRIBUTION TABLE						
Number of Plants	Tally Marks	Frequency				
1		1				
3		2				
4		3				
5		1				
6		2				
7		2				
8		3				
9		1				
Total		15				







Grade-8 | Introduction to Graphs & Data Handling



MATHS

SAMPLE EXERCISE

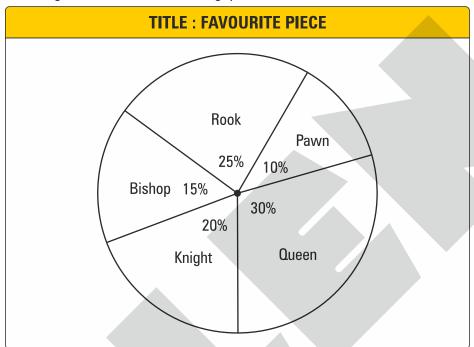


GRADE-8



Directions: Solve the following multiple choice questions by choosing the most appropriate option.

Directions (Q.1 to Q.3): Based on the given pie chart, that shows the percentage of 840 people on the basis of their favourite piece in the chess game, answer the following questions:



1.	Find the number of p	people who like the	piece that only	moves in the straic	tht line (both horizontal 8	vertical)
	i illa tilo ilalilboi ol p	soopio rriio ilito tilo	proce tricke only	more of the time of the dis-	1	20011110112011001	

(1)504

(2)252

(3)210

(4)126

2. How many more people are there who prefer any piece other than Rook than the number of people who like Rook?

(1)420

(2)630

(3)252

(4)588

3. Find the difference between the number of people who like the one that is the most favourite piece and the number of people who like the least favourite piece.

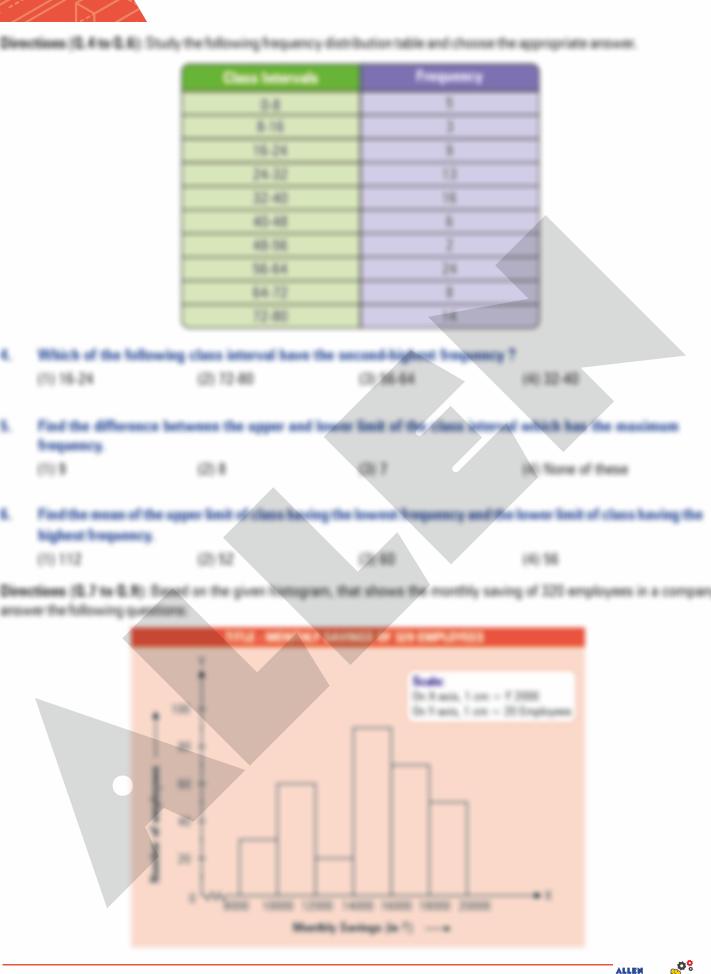
(1)252

(2) 168

(3) 126

(4)84





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