



S No:	Unit	Learning Objective	Exercise & Book No
1.	Numbers/ percentages/ percentage change	By the end of the lessons the students will be able to: <ul style="list-style-type: none"> Increase or decrease a quantity by a given percentage. 	Syllabus – D Book 1 Chapter -11 Ex.11c; Q 1 – Q 11
2.	Ratio, Rate and Proportion	<ul style="list-style-type: none"> Use ratio to compare similar quantities. Express ratio in its simplest form. Express one quantity as ratio of another in the form a:b Find the ratio of two or more quantities. 	Syllabus – D Book 1 Chapter - 10 Ex # 10a Q6 – Q10 Ex # 10b
3.	Rates	<ul style="list-style-type: none"> Solve problem involving rates. 	Syllabus - D Book-1 Ex # 10d ; Q6 – Q10
4.	Proportion	<ul style="list-style-type: none"> Solve problem based on direct proportion. Solve problem based on inverse proportion. 	Syllabus - D Book- 2 Chapter #2 Ex # 2a, Ex # 2d
5.	Algebra	<ul style="list-style-type: none"> Substitute numbers for letters in formulae to find the unknown. Construct simple formulae using variables. Write algebraic expressions Solve word problems. 	Syllabus - D Book-1 Chapter # 7 Ex # 7d; Q1-Q12, Ex # 7e; Q1(a-i) Ex # 7g Ex # 7h
6.	Time/ Volume and Surface Area	<ul style="list-style-type: none"> Calculate time in term of the 12- hour and 24- hour clock; (Read clocks, dial and timetables) Find volume, capacity and surface area of cubes and cuboids. Find total surface area when area of each surface is given. Find the unknown sides when volume or total surface area is given. 	Syllabus – D Book 1 Chapter # 10 Ex # 10f Chapter # 9 Ex # 9a; Q2 –Q7
7.	Line and angles/ Geometrical ideas and properties	<ul style="list-style-type: none"> Find the unknown angles using properties of parallel lines and straight lines. 	Syllabus - D Book- 1 Chapter # 14 Ex # 14b; Q1, 2, 3
8.	Line and angles/ Angle properties of triangles	<ul style="list-style-type: none"> Find the unknown angles of a triangle using properties of triangles. 	Syllabus - D Book- 1 Chapter # 15 Ex # 15a; Q2 – Q7
9.	Shapes and polygon/ Angle properties of polygons	<ul style="list-style-type: none"> Find number of sides of a polygon when sum of interior or exterior angles is given and vice versa. 	Syllabus - D Book- 1 Chapter # 15 Ex # 15c
10.	Lines and angles/ Geometrical construction	<ul style="list-style-type: none"> Construct a perpendicular bisectors and angle bisectors using protectors or set squares as necessary. 	Syllabus - D Book- 1 Chapter # 16 Page # 383 - 387
11.	Symmetry/ Position and Movement/ Function and graphs/ Data handling	<ul style="list-style-type: none"> Identify the order of rotational symmetry in plane figures. Plot the graphs of linear equations. Find the value of 'x' and 'y' from the graphs. Find the gradient of the linear function. Collect, classify, tabulate and interpret grouped and ungrouped data. 	Syllabus - D Book- 1 Addendum Ex # 1a, Ex # 1b Chapter # 12 Ex # 12b Chapter # 13 Examples, on line worksheets and activities.
12.	Data handling	<ul style="list-style-type: none"> Construct a frequency table of a grouped data. Interpret pie charts and line graphs. Calculate median and mode of the given (ungrouped) data. 	Syllabus - D Book- 1 Chapter # 13 Examples, on line worksheets and activities. Ex # 13b Q1- Q8, Ex # 13c Syllabus - D Book- 2 Chapter #11 Ex # 11b Q1, Q2a, Q2d, Q3, Q4, Q5c, Q6.