

# Programme for First Year Mathematics 2018/2019

## New Concise Project Maths 1 Book

TOPIC	CHAPTER	CONTENT
Collecting and Representing Data	12	All
Averages and the Spread of Data	13	13.1-13.4 (Excluding 13.2)
Representing Data	14	14.1 - 14.6 (Excluding 14.4)
Order of Operations	1	
Natural Numbers	2	
Integers	3	
Fractions	4	
Algebra	6	Ex 6.1 Q1-14    Ex 6.4 Q1-18 Ex 6.2 Q1-38    Ex 6.5 Q1-14 Ex 6.3 Q1-36    Ex 6.6 Q1-21
Linear Equations	7	Ex 7.2 Q1-14 Ex 7.3 Q1-30 Ex 7.4 Q1-14
Algebraic Fractions	22	Ex 22.2 Q1-6
Points, Lines and Angles	24	24.1-24.4

### CHRISTMAS EXAM – 1 HOUR

Sets	10	All
Decimals	5	All
Percentages	9	All
Ratio and Proportion	8	All
Constructions	27	<ol style="list-style-type: none"> <li>1. Bisector of an angle, using only compass and a straight edge</li> <li>2. Perpendicular bisector of a line segment, using only compass and straight edge</li> <li>4. Line perpendicular to a given line <math>l</math>, passing through a given point on <math>l</math>.</li> <li>5. Line parallel to a given line, through a given point.</li> <li>6. Division of a line segment into 2 or 3 equal segments without measuring it.</li> <li>8. Line segment of a given length on a given ray.</li> </ol>
Coordinate Geometry of the Line	29	29.1 (rise over run, no formula) (midpoint of a line segment, no formula, concept of adding the $x/y$ coordinates and dividing by 2)
Factors	19	All
Perimeter, area and Volume	17	17.1-17.3
Simultaneous Equations	20	Ex 20.2 Q1-11
Transformations	26	All
Probability	15	15.2
Pythagoras' Theorem	25	25.1
Real life application of graphs	32	32.1-32.2

### SUMMER EXAM – 1.5HOURS