

**CONTENTS**

Introduction .....	5
1. Mathematical symbols and operations .....	6
2. Numbers .....	16
3. Sets.....	29
4. Functions.....	40
5. Types of functions .....	47
6. Fractions.....	56
7. Roots .....	71
8. Complex powers .....	82
9. Basic concepts in geometry .....	88
10. Triangles .....	94
11. Circles.....	100
12. Hexagon and ellipse .....	105
13. Solids.....	109
14. Equations.....	114
15. Systems of equations.....	123
16. Fields of mathematics.....	131
17. Basic concepts of probability .....	141
18. Events.....	151
19. Statistics .....	158
20. Data representation.....	168
21. Census.....	174
22. Sampling.....	181
23. Types of sampling.....	189
24. Mean, median, mode .....	195
25. Statistical inference.....	205
26. Consumer mathematics. Simple and compound interest ....	208
27. Annual percentage rate .....	214
28. Rent-to-own .....	218
29. Amortization, annuity, sinking funds.....	222
Communicative activities section – Student B .....	229
Communicative activities section – Student C .....	298
Communicative activities section – Student D .....	305
Snowball activity bank.....	309
Audioscripts .....	313
Answer key .....	324
Glossary .....	356
References .....	364