

## Table of Contents

### Core Chapters

|  |              |
|--|--------------|
| Preface - Problem Classes and Solution Processes ..... | P-1 to P-8   |
| Chapter 1 - Introduction to the Problem Types .....    | 1-1 to 1-6   |
| Chapter 2 - Solving Pattern Recognition Problems ..... | 2-1 to 2-26  |
| Chapter 3 - Solving Counting Problems .....            | 3-1 to 3-14  |
| Chapter 4 - Solving 'Word' Problems .....              | 4-1 to 4-78  |
| Relatively Easy 'Word' Problems                        | Page 4 -6    |
| Moderately Difficult 'Word' Problems                   | Page 4 - 28  |
| More Difficult 'Word' Problems                         | Page 4 - 52  |
| Chapter 5 - Solving Optimization Problems .....        | 5 -1 to 5-24 |
| Chapter 6 - Solving Recreation Problems .....          | 6-1 to 6-24  |

### Appendices

|  |               |
|--|---------------|
| Appendix A - Converting Units .....    | A -1 to A -8  |
| Appendix B - 'Per' Problems .....      | B -1 to B -6  |
| Appendix C - Constructing Graphs ..... | C -1 to C -11 |
| Appendix D - A Page of Triangles ..... | D-1           |

### References

|                                      |               |
|--------------------------------------|---------------|
| Books on Solving Math Problems ..... | R -1 to R - 2 |
|--------------------------------------|---------------|