

CONTENTS

| | | |
|-----------------|--|------------|
| | Preface | ix |
| PART I | HISTORICAL PERSPECTIVE | 1 |
| | Chapter 1 Beginnings | 3 |
| | Chapter 2 Associationism: Thinking as Learning by Reinforcement | 19 |
| | Chapter 3 Gestalt: Thinking as Restructuring Problems | 39 |
| PART II | BASIC THINKING TASKS | 79 |
| | Chapter 4 Inductive Reasoning: Thinking as Hypothesis Testing | 81 |
| | Chapter 5 Deductive Reasoning: Thinking as Logically Drawing Conclusions | 114 |
| PART III | INFORMATION-PROCESSING ANALYSIS OF COGNITION | 165 |
| | Chapter 6 Computer Simulation: Thinking as a Search for a Solution Path | 167 |
| | Chapter 7 Mental Chronometry: Thinking as a Series of Mental Operations | 203 |
| | Chapter 8 Schema Theory: Thinking as an Effort After Meaning | 225 |
| | Chapter 9 Question Answering: Thinking as a Search of Semantic Memory | 259 |

| | | |
|----------------|--|------------|
| PART IV | IMPLICATIONS AND APPLICATIONS | 281 |
| Chapter 10 | Cognitive Development: Thinking as Influenced by Growth | 283 |
| Chapter 11 | Intelligence: Thinking as a Measurable Ability | 324 |
| Chapter 12 | Creativity Training: Thinking as a Learnable Skill | 360 |
| Chapter 13 | Expert Problem Solving: Thinking as Influenced by Experience | 387 |
| Chapter 14 | Analogical Reasoning: Thinking as Based on Analogs, Models, and Examples | 415 |
| Chapter 15 | Mathematical Problem Solving: Thinking as Based on Domain-Specific Knowledge | 455 |
| Chapter 16 | Everyday Thinking: Thinking as Based on Social Contexts | 490 |
| References | | 509 |
| Author Index | | 545 |
| Subject Index | | 555 |