

TABLE OF CONTENTS

	Page
PREFACE .....	iii
PART A. MEANING THEORY	
The Place of Crutches in Instruction .....	3
Psychological Considerations in the Learning and the Teaching of Arithmetic .....	19
Trends in Primary Arithmetic .....	53
The Progressive Nature of Learning in Mathematics .....	57
When is Arithmetic Meaningful? .....	71
The Place of Meaning in the Teaching of Arithmetic .....	91
The Revolution in Arithmetic .....	103
Meaning and Skill: Maintaining the Balance .....	111
Arithmetic in 1970 .....	121
PART B. BROADER CONTEXT	
Problem Solving .....	129
The Nature of Understanding .....	161
How Children Learn Information, Concepts, and Generalizations .....	181
Learning Theory and Educational Practice .....	221
Teaching for Active Learning .....	241

## PART C. READINESS

Readiness and the Arithmetic Curriculum .....	259
Arithmetical Readiness as a Practical Classroom Concept .....	273
Readiness for Subjectmatter Learning .....	283
APPENDIX A. BIOGRAPHICAL SKETCH .....	287
APPENDIX B. BIBLIOGRAPHY .....	289