

CONTENTS

INTRODUCTION	1
1. Plato's philosophy of mathematics	
A. Number	
The dialogues	3
The unwritten doctrines	
(a) The Form numbers	13
(b) The intermediates	19
B. Geometry	
The dialogues	21
The unwritten doctrines	24
2. Aristotle's philosophy of mathematics	26
3. Plato, the Academy, and Aristotle on the foundations of Mathematics	41
Plato	
(a) Analysis of number: one and the indefinite two	42
(b) Derivation of magnitudes: the extension of the principles	55
(c) The identification of Forms and numbers	62
Speusippus	73
Xenocrates	75
Aristotle	76
4. The structure of $M-N$	78
Jaeger's theory about the structure of $M-N$	81
NOTES ON THE TRANSLATION	89
TRANSLATION	91
THE RELATION OF $M4-5$ TO $A6$ AND $A9$	131
NOTES ON THE TEXT	133
NOTES	136

SELECT BIBLIOGRAPHY	220
GLOSSARY	223
INDEXES	225