

contents

ABOUT THE BOOK	v
1 learning and cognition <i>harold w. stevenson, university of michigan</i>	1
2 the curriculum <i>paul r. trafton, national college of education</i>	15
3 research on mathematics learning <i>marilyn n. suydam, ohio state university</i> <i>j. fred weaver, university of wisconsin</i>	43
4 problem solving <i>i. doyal nelson, university of alberta</i> <i>joan kirkpatrick, university of alberta</i>	69
5 experiences for young children <i>e. glenadine gibb, university of texas</i> <i>alberta m. castaneda, university of texas</i>	95
6 number and numeration <i>joseph n. payne, university of michigan</i> <i>edward c. rathmell, university of northern iowa</i>	125
7 operations on whole numbers <i>mary folsom, university of miami (florida)</i>	161
8 fractional numbers <i>arthur f. coxford, university of michigan</i> <i>lawrence w. ellerbruch, eastern michigan university</i>	191

9	geometry <i>g. edith robinson, university of georgia</i>	205
10	measurement <i>g. edith robinson, university of georgia</i> <i>michael l. mahaffey, university of georgia</i> <i>i. doyal nelson, university of alberta</i>	227
11	relations, number sentences, and other topics <i>henry van engen, emeritus, university of wisconsin</i> <i>douglas grouws, university of missouri</i>	251
12	directions of curricular change <i>alan r. osborne, ohio state university</i> <i>william h. nibbelink, university of iowa</i>	273
	INDEX	295