

and articulated than they were in the old text and workbook. Illustrations of action problems are excellent. The size of pictures has been increased. Devices and symbols for providing answers have been changed and are less confusing to pupils.

8. Test pages are extremely well placed and will be much more useful in evaluation of pupil learnings than those provided in the older material.

9. The mathematical expressions have been improved. For example, statements such as "2 rabbits + 3 rabbits = 5 rabbits" represent an unfortunate mixture of the mathematical and concrete and have been eliminated.

10. Suggestions for use of manipulative materials have been substantially improved.

While the course in Seeing Through Arithmetic, 2 may appear to be too heavy to some, it offers a new and exciting challenge to those children who in the past have become bored with repetition and to teachers who said that the Grade II courses do not offer enough.

#### SOME PUZZLES TO PONDER

1. The midpoints of each side of an equilateral triangle are joined, forming a smaller triangle; the midpoints of the sides of this smaller triangle are joined, forming a third triangle; etc. What is the total perimeter of all the triangles which can be formed in this way if the length of the side of the original triangle is 1?

(Answer: 6)

Bryant, Steven J., Graham, George E., and Wiley, Kenneth G., Non-routine Problems in Algebra, Geometry and Trigonometry. New York: McGraw-Hill Book Company, 1965, p.3.

2. If  $(x - a)(x - 10) + 1$  can be written as  $(x + n)^2$  where  $a$  and  $n$  are integers, what are possible replacements for  $a$  and  $n$ ?

Answer:  $(8, - a)$ ;  $(12, - 11)$