

Mathematics for Elementary Teachers: An Activity Approach.

INTRODUCTION

The purpose of this online instructor's manual is to make it easier for you to use the text, *Mathematics for Elementary Teachers: An Activity Approach*. We believe the section-by-section Planning Guides will be especially helpful for your class preparation and the features described below will assist your planning and course evaluation.

PLANNING GUIDES (see main Instructor Edition website menu)

There are planning guides for each of the 34 sections of the *Activity Approach* text. The guides give you an overview of each activity set and many suggestions for class use: a lead-in activity, student and instructor materials needed for the activity, topics covered, comments and suggestions, follow-up questions, and suggested assignments and projects. The *Activity Approach Planning Guide Introduction* provides more detail about each of these features.

CHAPTER TESTS WITH ANSWERS (see main Instructor Edition website menu)

There is a Chapter Tests with answers for each of the 11 chapters of the *Activity Approach* text. These questions may be used for in-class or take-home exams, study questions, or as homework questions. Because the test questions are about concepts developed through activities, students are encouraged to use materials from their **Materials Cards** and **Manipulative Kits** as they work out solutions. Students are also encouraged to explain their thinking in writing and to accompany their explanations with sketches or diagrams of the models they have used. The tests and answers can be downloaded and edited to suit your specific needs.

ANSWERS FOR ACTIVITY SETS, JUST FOR FUN AND FOLLOW-UP QUESTIONS

Answers for all of the activities in the 34 activity sets, the Just for Funs (when applicable), and most of the Follow-Up Questions and Activities are contained in the online manual. Selected activities, marked with an asterisk in the *Activity Approach* text, are also answered at the back of the *Activity Approach* text.

ADDITIONAL ONLINE INSTRUCTIONAL MATERIALS

ANSWERS FOR MATH INVESTIGATIONS

Solutions and further conjectures for each of the thirty-four **Math Investigations**.

ANSWERS FOR LOGO EXERCISES

ANSWERS FOR NETWORK GRAPH EXERCISES

ANSWERS FOR PUZZLERS (see main Instructor Edition website menu)

SAMPLE SYLLABI (see main Instructor Edition website menu)

Suggestions, with sections to cover, for a variety of course lengths and course types are contained in this online manual.

GSP NOTES (see main Instructor Edition website menu)

A discussion of using GSP in your classroom is contained in this online manual.