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| Investigation 1: Clocks, Clocks, Clocks! |
| Investigation 2: Are We On Time? |
| Game: Finding the Time |



This book is part of a series of books of math activities for primary students. The books are:

- Math Discoveries With Attribute Blocks, Grades 1-3
- Math Discoveries With Base Ten Blocks, Grades 1-3
- Math Discoveries With Calculators, Grades 1-3
- Math Discoveries About Counting and Numbers, Grades 1-3
- Math Discoveries With Dominoes, Grades 1-3
- Math Discoveries With Geoboards, Grades K-1
- Math Discoveries With Geoboards, Grades 2-3
- Math Discoveries With Linking Cubes, Grades K-1
- Math Discoveries With Linking Cubes, Grades 2-3
- Math Discoveries With Money, Grades 1-3
- Math Discoveries With Pattern Blocks, Grades K-1
- Math Discoveries With Pattern Blocks, Grades 2-3
- Math Discoveries With Pentominoes, Grades 1-3
- Math Discoveries With Tangrams, Grades K-1
- Math Discoveries With Tangrams, Grades 2-3
- Math Discoveries About Time, Grades 1-3

These books are designed to help your students build mathematical concepts and understandings through hands-on activities with concrete models. The activities engage students in "doing mathematics," which is emphasized in the National Council of Teachers of Mathematics (NCTM) Standards. The models invite students to explore, represent, solve problems, construct, discuss, investigate, describe, and predict.

The activities encourage students to work together in pairs and small groups. When the children manipulate physical models, then use their own language to explain their thinking, they build deeper mathematical understandings and develop their communication skills. The physical models serve as a focus for communication, even among students who do not share a primary language.

Attribute Blocks, geoboards, Pattern Blocks, pentominoes, and tangrams all allow students to develop spatial sense and to explore geometry informally. Base Ten Blocks provide a model of our number system, and Linking Cubes can be used to model numbers, operations, and spatial patterns. The hundred number board and number line build number sense and an awareness of number patterns and relationships. Dominoes allow the children to build number sense and to develop logical thinking skills. Play money helps children develop an understanding of money values and how to use money. Clock faces help children develop time sense. Calculators allow students to explore number patterns, operations, and problemsolving strategies.



Name

Use ► Clock faces and a pencil.

Record your work.

Show each time two ways.

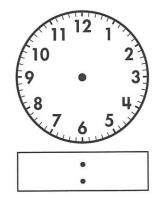
A. Bessie Bear gets up at 6 o'clock.

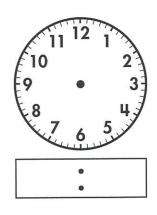


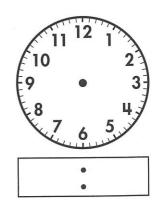
B. Bernie Bear eats breakfast at 7 o'clock.



C. What time do you get up on school mornings?











Use ► Clock faces and a pencil.

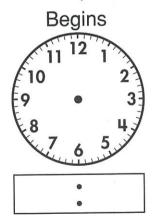
Record your work.

Show each time two ways.

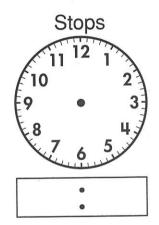
A. Lucia begins practicing for the play at 3:00. She stops 45 minutes later.



B. Ann begins sorting her baseball cards at 7:30. She stops 15 minutes later.







C. Solve this time puzzle.

When did Ray begin biking? Ray biked for 30 minutes. He stopped biking at 5:30.

| Begins | • | Stops | • |
|--------|---|-------|---|
| | | | |