Table of Contents

To the Teacher

Measuring introduces children to the basic skills needed for measuring time, length, perimeter, area, liquid, and money. This book also includes activities to calculate averages, medians, ranges, and modes. Each activity was designed to be relevant to young children. Because children must be able to correctly measure time, money, and objects to survive in the world, this book offers easy step-by-step guides for using a variety of measuring tools such as rulers, tape measures, scales, and clocks.

Students are asked to create learning aids such as geo boards, play money, clocks, and simple scales to aid in their study. Each chapter begins with an explanation page that defines a particular unit of measurement and gives examples. These pages can be saved and later compiled into a measurement help booklet. Each chapter also contains activities to give children plenty of practice mastering the concept and games.

Each game and activity page has been carefully created to give enjoyable activity-filled, hands-on experiences in measurement of all kinds, shapes, and sizes. Because of the hands-on nature of many of these pages, please have the materials readily available.

The important thing to focus on is the magic of measuring. Praise creativity as well as correct answers. Any way you choose to use the pages herein, they are guaranteed to help students master basic measuring skills in a highly motivating fashion.

* * *

Measuring fits the **"Curriculum and Standards Framework"** in the following areas:

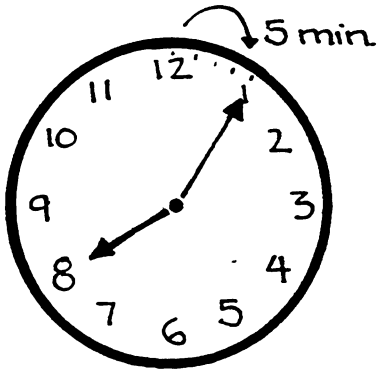
- **Choosing Units** – identifying attributes subject to measurement and the choice of appropriate units and instruments
- **Measuring** – using units to quantify length, capacity, mass, area, and volume
- **Time** – enabling students to understand the passage of time through analogue and digital clocks
- **Using Relationships** – enabling students to calculate length, area, and volume of shapes based on rectangles, triangles, and circles, as well as perimeters

Code # 4404

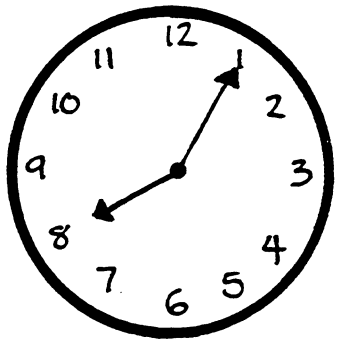
Telling Time

Clocks are used for telling time by seconds, minutes, and hours.

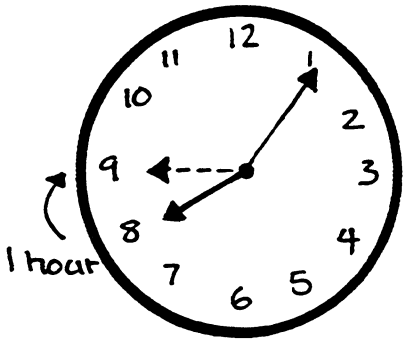
The **long hand** is the minute hand. It points to the **minute** (min.).



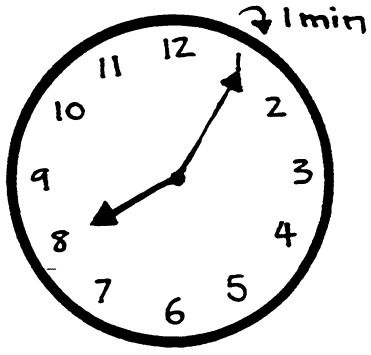
The **short hand** is the hour hand. It points to the **hour** (hr.).



It takes 1 hour for the hour hand to move from one number to the next.



It takes 1 minute for the minute hand to move from one minute mark to the next.

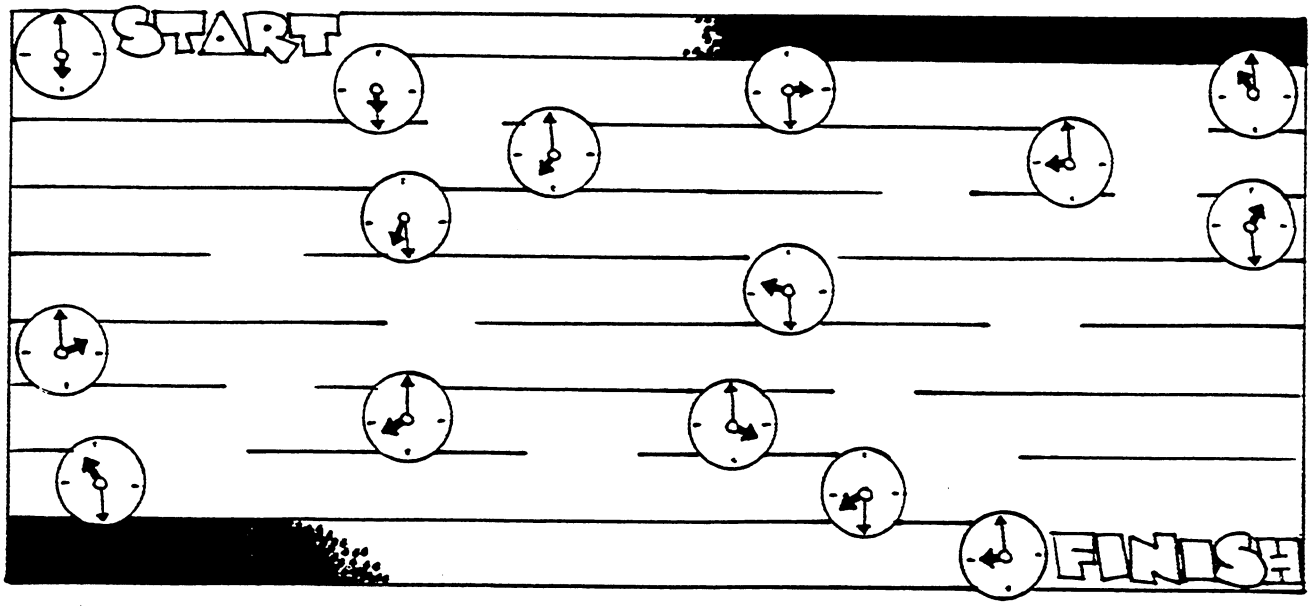


Name

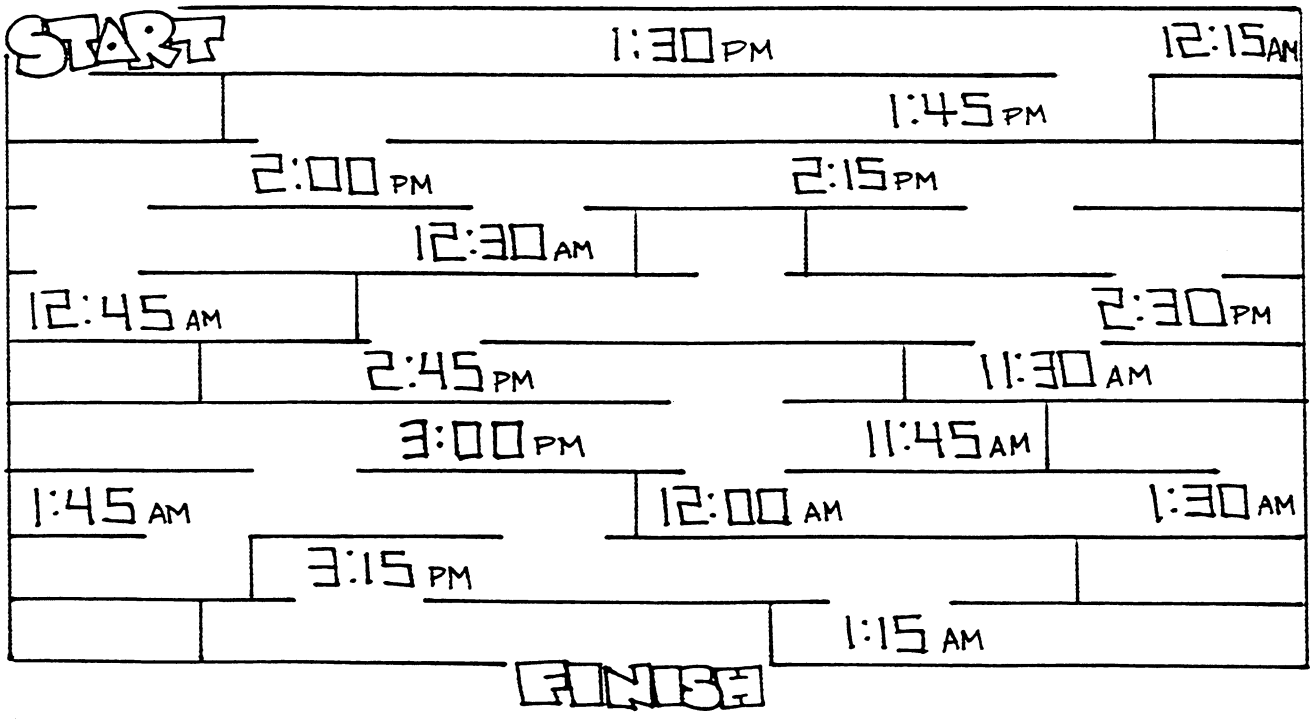
Amazing Mazes

Can you find the path through the mazes below? Use the clues above each one to help you.

If you follow the path of clocks at the half hour going from the earliest to the latest, finding the correct path will be easy.



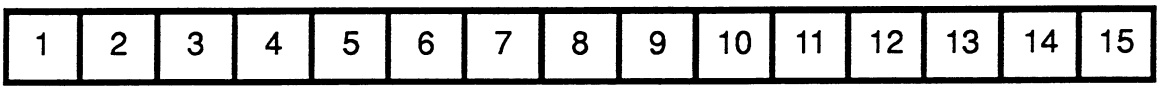
If you follow the path of clocks at the quarter hour going from the earliest to the latest, finding your way through the maze will be simple.



Linear Relationships

A **centimetre** is a **metric** unit used to measure length.

You can use a **ruler** to measure length in **centimetres**.



The **millimetre** (mm), the **metre** (m), and the **kilometre** (km) are metric units that are used to measure **length** or **distance**.

10 mm = 1 cm
100 cm = 1 m
1000 m = 1 km