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# Introduction

The *Math Mammoth Clock* is a worktext (meaning it contains both the teaching and the exercises) that you will find easy to teach from without a need of a separate teacher's manual.

This book covers reading the clock, figuring out simple time intervals, and using the calendar, all in one book. The topics progress starting from the first grade level to the third grade level. Therefore, you also can let your child work the pages of this book in different time periods, and not go through it all at once, depending on your child's current level.

The lessons are divided to the grade-levels this way: reading the clock to the half-hour is first grade material; reading the clock to the five-minute intervals is second grade; and reading the clock to the minute is third grade level. I realize this is somewhat arbitrary, and there is no need to follow it exactly. Just keep in mind that the material in this book does get more difficult towards the end.

You will need a practice clock, such as an alarm clock, where the child can turn the clock hands. Reading the clock is a skill that will be used in everyday situations, so this topic (fortunately) is one that children also learn by experience, and do not easily forget once learned.

You can make more clock reading worksheets at [www.homeschoolmath.net/worksheets/clock.php](http://www.homeschoolmath.net/worksheets/clock.php)

I wish you success in your math teaching!

*Maria Miller*

# Helpful Resources on the Internet

*Use these free online resources to supplement the “bookwork” as you see fit.  
You can access an up-to-date online version of this list at  
[www.mathmammoth.com/weblinks/clock.htm](http://www.mathmammoth.com/weblinks/clock.htm)*

## **Flashcard Clock**

Read the analog and type in the time in digital. Very clear clock and good fast response!  
[http://www.teachingtreasures.com.au/maths/FlashcardClock/flashcard\\_clock.htm](http://www.teachingtreasures.com.au/maths/FlashcardClock/flashcard_clock.htm)

## **Teaching Time**

Analogue/digital clock games and worksheets. Also an interactive “class clock” to demonstrate time.  
<http://www.teachingtime.co.uk/>

## **A Matter of Time**

Lesson plans for telling time, interactive activities, and some materials to print.  
<http://www.fi.edu/time/Journey/JustInTime/contents.html>

## **Elapsed Time Line**

This interactive tool shows 2 clocks that have draggable fingers to set a “from” and “to” time, and a number line. You can demonstrate how to use a number line to calculate elapsed time.  
[www.teacherled.com/2008/10/05/elapsed-time-line/](http://www.teacherled.com/2008/10/05/elapsed-time-line/)

## **Clockwise**

Plug in a time, and the clock runs till it reaches it, or clock runs to a time and you type it in.  
<http://www.shodor.org/interactivate/activities/clock2/index.html>

## **The Right Time**

A couple of interactive exercises about reading the clock.  
<http://www.pitara.com/activities/math/time/time.asp?QNum=3>

## **What Time Is It?**

Look at the analog clock and pick the digital clock that shows the same time.  
<http://www.primarygames.com/time/start.htm>

## **Time-for-Time**

Resource site to learn about time: worksheets, games, quizzes, time zones.  
<http://www.time-for-time.com/default.htm>

## **Analog and Digital Clocks**

These clocks show you the current time, side by side. Useful for illustration.  
[http://nlvm.usu.edu/en/nav/frames\\_asid\\_316\\_g\\_2\\_t\\_4.html](http://nlvm.usu.edu/en/nav/frames_asid_316_g_2_t_4.html)

## **What Time Will it Be?**

Move the hands on the clock to show what time it will be after certain amount of minutes.  
[http://nlvm.usu.edu/en/nav/frames\\_asid\\_318\\_g\\_2\\_t\\_4.html](http://nlvm.usu.edu/en/nav/frames_asid_318_g_2_t_4.html)

**Match Clocks**

Make the digital clock to show the time given with the analog clock.

[http://nlvm.usu.edu/en/nav/frames\\_asid\\_317\\_g\\_2\\_t\\_4.html](http://nlvm.usu.edu/en/nav/frames_asid_317_g_2_t_4.html)

**Calculating Time from BBC SkillsWise**

Factsheets, worksheets, and an online game to practice time calculations.

<http://www.bbc.co.uk/skillswise/numbers/measuring/time/calculatingtime/>

**That Quiz: Time**

Online quizzes for all time-related topics: reading the clock, time passed, adding/subtracting with time, conversion of time units, and time zones practice. The quizzes have many levels, can be timed or not, and include lots of options for customization. Easy to use and set up.

<http://www.thatquiz.org/tq-g/math/time>