

Lesson Plan

Time - Match Analog Clocks and Times

First (1) - Math

LEARNING TARGET

- Students will be able to match analog clock images with written times in standard notation within whole and half hours.
- Students will be able to read and write time in standard notation.

LEARNING PROGRESSION

PREREQUISITE SKILL

Time - Digital Clocks and Time Matching

EXTENSION SKILL

Time - Match Analog Clocks and Times

DURATION

- 8 min Guided Practice
- 20 min Independent Practice
- 7 min Exit Ticket

MATERIALS

- Whiteboard and markers
- Printed worksheets with analog clock images and written times
- Manipulatives (optional)
- Interactive clock app or website (optional)

VOCABULARY

- Analog clock
- Digital clock
- Hour hand
- Minute hand
- Whole hour
- Half hour
- Standard notation

INTRODUCTION

The teacher will introduce the lesson by asking students if they know how to tell time using an analog clock. The teacher will review the components of an analog clock image. Then, the teacher will display a written time on the board and ask students what time it represents.

INSTRUCTION

The teacher will explain that written times show the same information as analog clocks, but in a different format. The teacher will demonstrate how to read an analog clock by identifying the position of the hour hand and minute hand. The teacher will then provide examples of analog clock images and ask students to identify the matching written time.

GUIDED PRACTICE

The teacher will distribute printed worksheets with analog clock images and written times. The teacher will guide students through matching each analog clock image with its corresponding written time in standard notation within whole and half hours. If needed, manipulatives or an interactive clock app/website can be used for additional support.

INDEPENDENT PRACTICE

Students will work independently on additional worksheets or online activities that reinforce their ability to match analog clocks images to written times in standard notation within whole and half hours.

HOMEWORK

Students may be assigned homework that involves practicing telling time using both standard notation and analog clocks at home. This could include setting alarms or timers throughout their day based on specific times.

EXIT TICKET

Students will complete an exit card that requires them to match several analog clocks with their corresponding written times. This formative assessment helps the teacher gauge student progress towards meeting lesson objectives.

SUMMATIVE

- Exit Card Formative Assessment
- Progress Monitoring Formative Assessment
- Summative Assessment 10 question worksheet 8/10 for mastery

CLOSING

The lesson concludes with a brief review of key concepts covered during class, including vocabulary terms related to telling time using both standard notation and analog clocks.

TEACHING TIPS

MISCONCEPTIONS

Common misconceptions when matching analog clock images with written times include:

- Confusing hour digits with minute digits: Students may not understand that the larger digits represent the hour and the smaller digits represent the minutes. To address this, remind students to look for the hour and minute hands on an analog clock image.
- Misreading half hours: Students may struggle to identify a half-hour on an analog clock. To address this, emphasize that a half-hour is represented by having both hour and minute hands at the 6 o'clock position.
- Difficulty with AM/PM: Students may have difficulty recognizing AM/PM notation on an analog clock. To address this, provide real-world examples of activities that take place during each part of the day (e.g., morning routines vs. evening routines).

EXTENSION

For students who have mastered telling time on analog clocks within whole and half hours, consider extending their learning by:

- Introducing quarter hours
- Practicing reading digital clocks in standard notation
- Exploring how time can be used in real-life scenarios, such as scheduling events or calculating elapsed time

INTERVENTION

For students who need additional support in matching analog clock images with written times within whole and half hours, consider providing the following:

- Extra practice opportunities during independent work time
- Manipulatives or interactive tools to demonstrate concepts visually
- One-on-one or small group instruction during guided practice or independent work time

COMMON CORE STANDARD

1.MD.B.3 - Tell and write time in hours and half-hours using analog and digital clocks.

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