

# Lemonade Stand

Teacher Guide · Solutions · Rubric

**Grade 2 · All levels**

## Overview

Students plan a pretend lemonade stand. They write a schedule with times to five minutes and AM or PM, count coins and bills, use ¢ and $ correctly, and solve money problems with change.

**Time:** 2 class periods · **Product:** Stand Schedule and Price Sign
**Standards:** 2.MD.C.7, 2.MD.C.8
**Prerequisite skills:** Count by 5s and 10s; Add and subtract within 100

## Learning targets

- I can tell and write time to five minutes with AM and PM.
- I can count coins and bills and use ¢ and $.
- I can solve money word problems.

## Timing and materials

- Day 1 (40 min): the schedule (Parts 1–2).
- Day 2 (40 min): coins, bills and change; the price sign (Parts 3–4).

**Materials:** Paper clocks or a demonstration clock; Play coins and bills (printable support page); Markers for the price sign. No accounts, paid products or student personal information are needed.



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## The three versions

- Remedial: hints for a first step, partly filled tables, sentence frames and fewer open choices; the same learning targets.
- Standard: the full task set at grade level; students choose their strategies and models.
- Advanced: open design constraints, missing information, error analysis and a written justification; no hints.

All versions use the same context and learning targets, so groups can share and compare work.

## Implementation notes

- Use play money only.
- Have students sort coins from greatest to least value before counting.
- Advanced students find two different ways to pay an amount and the fewest coins.
- Before Part 1, read the challenge aloud and ask students to restate the goal.
- Close with a gallery walk: each group explains one strategy.

## Rubric

| Learning target | 4 Exceeds | 3 Meets | 2 Approaching | 1 Beginning |
|---|---|---|---|---|
| I can tell and write time to five minutes with AM and PM. | Correct and complete; explains how | Mostly correct | Partly correct | Not yet |
| I can count coins and bills and use ¢ and $. | Correct and complete; explains how | Mostly correct | Partly correct | Not yet |
| I can solve money word problems. | Correct and complete; explains how | Mostly correct | Partly correct | Not yet |
| I can explain my thinking with pictures, numbers and words. | Clear for every part | Clear for most parts | Some explanation | Little explanation |
| My stand schedule and price sign is complete and matches my math. | Complete, neat, accurate | Complete | Partly complete | Not complete |



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## Solutions · Remedial KEY

### Part 1: Stand Schedule

The stand opens at 10:00 in the morning.

**1.** Write the opening time with AM or PM.
**10:00 AM**

**2.** The first rush lasts 30 minutes. What time does it end?
**10:30 AM**

**3.** The stand closes at 3:15 in the afternoon. Write it with AM or PM.
**3:15 PM**

### Part 2: Clock Reading

Draw the hands on a clock for each time.

**4.** Where does the minute hand point at 3:15?
**at the 3**

**5.** Where does the minute hand point at 10:40?
**at the 8**

### Part 3: Counting Money

A cup of lemonade costs 35¢.

**6.** A customer pays with 1 quarter, 1 dime, 1 nickel. How much is that?
**40¢**

**7.** How much change does the customer get?
**5¢**




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## Part 4: Bills

At the end of the day the stand has these bills: $5, $1, $1, $1.

**8.** How many dollars is that?

**$8**

**9.** Write 8 dollars and 40 cents.

**$8 and 40¢**

## Part 5: Price Sign

Make a price sign for two drinks. Write each price with ¢.

**10.** What do both drinks cost together?

**Answers vary; the sum must match the sign.**

## Extension

The stand sold 2 cups. How much money did it take in?

**70¢**



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## Solutions · Standard KEY

## Part 1: Stand Schedule

The stand opens at 9:30 in the morning.

**1.** Write the opening time with AM or PM.
**9:30 AM**

**2.** The first rush lasts 45 minutes. What time does it end?
**10:15 AM**

**3.** The stand closes at 3:15 in the afternoon. Write it with AM or PM.
**3:15 PM**

## Part 2: Clock Reading

Draw the hands on a clock for each time.

**4.** Where does the minute hand point at 3:15?
**at the 3**

**5.** Where does the minute hand point at 10:40?
**at the 8**

## Part 3: Counting Money

A cup of lemonade costs 45¢.

**6.** A customer pays with 2 quarters. How much is that?
**50¢**

**7.** How much change does the customer get?
**5¢**




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## Part 4: Bills

At the end of the day the stand has these bills: $5, $1, $1, $1.

**8.** How many dollars is that?

**$8**

**9.** Write 8 dollars and 40 cents.

**$8 and 40¢**

## Part 5: Price Sign

Make a price sign for two drinks. Write each price with ¢.

**10.** What do both drinks cost together?

**Answers vary; the sum must match the sign.**

## Extension

The stand sold 2 cups. How much money did it take in?

**90¢**




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## Solutions · Advanced KEY

## Part 1: Stand Schedule

The stand opens at 9:45 in the morning.

**1.** Write the opening time with AM or PM.
**9:45 AM**

**2.** The first rush lasts 55 minutes. What time does it end?
**10:40 AM**

**3.** The stand closes at 3:15 in the afternoon. Write it with AM or PM.
**3:15 PM**

## Part 2: Clock Reading

Draw the hands on a clock for each time.

**4.** Where does the minute hand point at 3:15?
**at the 3**

**5.** Where does the minute hand point at 10:40?
**at the 8**

## Part 3: Counting Money

A cup of lemonade costs 65¢.

**6.** A customer pays with 2 quarters, 2 dimes, 1 nickel. How much is that?
**75¢**

**7.** How much change does the customer get?
**10¢**




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## Part 4: Bills

At the end of the day the stand has these bills: $5, $1, $1, $1.

**8.** How many dollars is that?

**$8**

**9.** Write 8 dollars and 40 cents.

**$8 and 40¢**

## Part 5: Pay It Two Ways

Show 65¢ two ways.

**10.** Show 65¢ with the fewest coins.

**2 quarters, 1 dime, 1 nickel**

**11.** Ella says 4 coins are always worth 4¢. Give an example that shows she is wrong.

**4 quarters are worth 100¢.**

## Extension

The stand sold 2 cups. How much money did it take in?

**130¢**