



Grades 6-8: Math: Fractions, Decimals and Percents

### Objectives

1. SWBAT add and subtract decimals.
2. SWBAT change a fraction into a decimal and a decimal into a percent to determine amount left toward goal.

Time: One week of class periods (25 minutes on Day One; 15 minutes required each day thereafter)

### Materials

-[Alex and the Amazing Lemonade Stand](#) book

-“Track Your Progress” Worksheet and “Making Change Happen in Our Community” packet

-Alex’s Lemonade Stand Foundation’s “Change for Childhood Cancer Pack” (Filling Your Cup Idea Sheet, Parent Letter, Recording Sheet, Signs)

-Calculators (if desired)

### Preparation

Obtain a copy of [Alex and the Amazing Lemonade Stand](#). (If needed, you may submit a teacher request form for one at [www.AlexsLemonade.org](http://www.AlexsLemonade.org).)

Get permission from administrators to fundraise for Alex’s Lemonade Stand Foundation.

Have other teachers sign-up to have their class participate in the program.

### Procedures

*Attention-Getter:* “A little girl named Alex Scott made a huge difference for sick kids everywhere. She was much younger than all of you and still raised over a million dollars for childhood cancer research in her lifetime. We are going to be working to take small steps toward making a big difference.”

## Lesson Steps:

### Day One

1. Read the book Alex and the Amazing Lemonade Stand and discuss how Alex was able to help others. Have students discuss the difference that she was able to make.
2. Review that money can be worked with in the same way that decimals are. Review adding and subtracting decimals and explain that this skill will be very important in understanding the goal that they will set and how their fundraising efforts will impact this goal.
3. Have students set a goal for the amount that they wish to raise, and complete steps 1-3 in the "Making Change Happen in Our Community" packet.

Explain that today, each student will be given a cup to take home for a week. Set both an individual goal of how much money to raise on the worksheet as well as a class goal for how much money to raise and display this amount prominently.

### Day Two-Four

1. Have students record the amount they have collected each day on their "Track Your Progress" sheet. Demonstrate how to convert this amount to a fraction of their total goal, and follow-up by showing them how to change the fraction to a decimal and percent.
2. Have students practice doing this and partner to check each other's work.
3. Discuss as a class the percent that each student has achieved toward his/her own goal.

### Day Five

Have students record the amount they have collected in total on their "Track Your Progress" sheet. Discuss how many students have reached 100% of their goal, and celebrate their achievements!

### Conclusion:

Hold a round table discussion about the importance of being able to add and subtract money as well as find percents. How did knowing the percentage that you have collected help to achieve your goal?

### One Week After The Project

Return donations to Alex's Lemonade Stand Foundation. (To cash in change, call TD Bank, an Alex's Lemonade Stand Foundation supporter, and see if their portable change machine, the Penny Arcade, can be brought to your location. Or, go to any bank to have the change converted to a cashier's check.)

### Extensions:

1. Have students write "Thank you" notes to those people who helped them achieve their goals.

2. Challenge students to create a lemonade stand or other event to make their percentage reached extend over 100!

Modifications:

*For English as Second Language Learners* – Have a visual key available with the words “penny,” “nickel,” “dime,” and “quarter” with pictures.

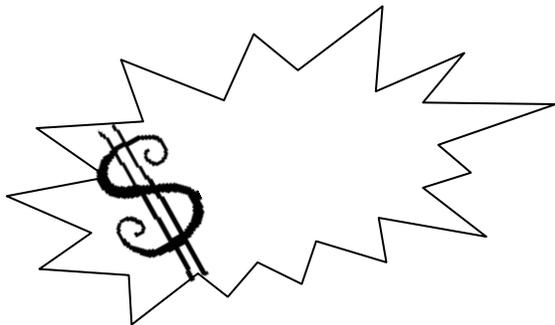
*For Struggling Learners* – Have a partner check their work for accuracy. Provide a step-by-step visual breakdown of the components involved.

*For Gifted and Talented Students* – Challenge students to find out how much money they have collected as a whole class each day by charting this information. Have them announce this information to the class. Have them create a bar or line graph charting the change in amounts.



# Change Childhood Cancer

## TRACK YOUR PROGRESS



Write down your goal in the star for how much money you hope to raise by the end of this week for childhood cancer.

Each day, count the coins in your cup that you have collected so far. Then, find the percentage of your goal that you have collected so far! Hint: It is easiest to find the fraction and decimal first!

| Day 1                                       | Day 2                                       | Day 3                                       | Day 4                                       | Day 5                                       |
|---|---|---|---|---|
| Total Amount Collected _____                |
| Goal _____                                  |
| Percentage of Goal Raised so far<br>_____ % |