

Shopping with Decimals

Lesson Summary

Students will work in pairs to select items at a “store” and add to find the total number of their purchases.

Major Topic and SOL

Math SOL (2009) 4.5.c

Length of Unit

60 minutes

Student Objectives

In Mathematics the student will be able to:

- Use the same ideas developed for whole number computation, giving careful attention to the placement of the decimal point in the solution
- Line up tenths to tenths, hundredths to hundredths
- Establish the correct placement of the decimal

In Language the students will be able to:

- Identify the place value of the whole numbers as well as the decimals

21st Century Skills

- Critical-Thinking and Problem Solving
- Communication
- Collaboration
- Contextual Learning

Assessment Evidence

- The attached record sheet allows teachers to assess if students mastered the lining up of decimals and if the addition was correctly solved

Supplies/Materials/Technology

- Computers
- Printer
- Record Sheet to show work
- Construction paper for display
- Glue and Scissors

Lesson Plan

Motivation & Building Background:

- Students should already have been introduced to the concept that when adding decimals, just like when adding whole numbers, it is important to line up the numbers into columns, matching the place values.
- Students will be reminded that Christmas is fast approaching and that there is always the possibility that they may receive gifts they are hoping for.
- The teacher will explain that students will be able to “shop” for their Christmas presents. Students will be encouraged to choose gifts they are hoping to receive. Keeping in mind that a parent’s budget may not allow for the most expensive items, they are also asked to stay under a budget of \$200.00

Presentation

- Students are informed about today’s activity: work with a partner to make a joint wish list, including the current prices of toys they are hoping to receive for Christmas and the total money that would be required.
- Students are further instructed that they must remain within a budget of \$200.00.
- Pairs of students are directed to share a computer and to link to the desired website (www.toysrus.com).
- Students are given scrap paper and asked to make their initial choices. Through trial and error they are to select any number of items, desired by both (or a compromise), that total no more than \$200.00.
- Students will make their final choices.
- Students will print out pictures of their final choices and use a record sheet to clearly identify each item, its price (the addends) and the total (sum) for all of the items. Each student has to complete his/her own record sheet to ensure individual practice with the concept.
- Students will then create a collage of the items they have chosen and the record sheet to display in the hallway.
- Collect all materials.

Practice/Application

- Please see attached

Name _____

Name of Item	Price
TOTAL (sum)	