

A Living Archives Lesson Plan

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Class	Math	Grade Level	7
Topic	<i>Prices – Past and Present</i>	Required Time	Two 45 minute lessons
Materials	Computers with Internet access, <i>The Price Is Right</i> theme music, household items and price tags, paper, colouring supplies, scissors, <i>Prices – Past and Present</i> problem sheets		
Prerequisite Skills/Knowledge	Students need to be comfortable logging in to their student computer accounts and conducting basic internet research. Also, these lessons are designed for practising operations using percent and decimal numbers. They are not designed to introduce these concepts.		
Learning Outcomes	<p>By the end of grade 7, students will be expected to...</p> <p>A10. Illustrate, explain, and express ratios, fractions, decimals, and percents in alternative forms</p> <p>A11. Demonstrate number sense for percent</p> <p>B5. Apply the order of operations for problems involving whole and decimal numbers</p> <p>B8. Estimate and determine percent when given the part and the whole</p> <p>B9. Estimate and determine the percent of a number</p> <p>B10. Create and solve problems that involve the use of percent</p>		
Learning Activities	<ol style="list-style-type: none"> 1. Hook: Play the theme song from the television game show <i>The Price Is Right</i> as students enter the classroom. Engage the students in a short activity using everyday household items. Students place the items in order from least expensive to most expensive and then try to guess the prices of the items. Discuss the fact that prices change over time. (5 minutes) 2. <i>Create a Catalogue Activity</i> - In pairs, students use the <i>A Living Archives</i> resource to research the prices of various items in the late 1800s/early 1900s. Each student pair selects three products from the archives and researches the current prices of comparable items at a “big box” store such as Wal-Mart, Zellers, etc. (20 minutes) *See accompanying materials 3. Each student pair designs a catalogue page that depicts their past/present items and the appropriate prices. (20 minutes) *Assemble the individual pages created by the student pairs into a past/present catalogue before the next class. Make a few copies. <hr/> <ol style="list-style-type: none"> 4. Students use the past/present catalogue that they created to complete the <i>Prices – Past and Present</i> problem sheet. (35 minutes) 5. Debrief activity and collect student work. (10 minutes) 		
Assessment	<ol style="list-style-type: none"> 2-3. Informally observe students 4. Informally observe students and collect the <i>Prices – Past and Present</i> problem sheets upon activity completion 		
Notes	<p>Extensions:</p> <ul style="list-style-type: none"> □ Students create a series of games modelled after the television game show <i>The Price Is Right</i> using the information they gathered during the lessons (the games should be related to grade 7 math outcomes A9, B2, B5, B8, B9, B10). □ Students operate a store/canteen/bake sale at a school event/fundraiser, or open and operate a student store. <p>Cross-curricular Connections - LA:</p> <ul style="list-style-type: none"> □ Students compare/contrast the late 1800s/early 1900s type of general store to present day “big box” stores such as Wal-Mart, Zellers, etc. Students could present their information in the form of a poster, essay, poem, song, skit, or slideshow. 		

A Living Archives Teacher Resource
Create a Catalogue Activity

Relevant *A Living Archives* Resources:

What is a General Store?

<http://livingarchives.ca/blog/marilynm/dec-09-2007/947>

What was Sold at the General Store?

<http://livingarchives.ca/blog/marilynm/dec-09-2007/950>

Prices

<http://livingarchives.ca/blog/laurah/nov-20-2007/751>

The Cash Register

<http://livingarchives.ca/blog/laurah/oct-31-2007/504>

Holman's, Summerside

<http://livingarchives.ca/blog/amyb/nov-23-2007/786>

Holman's Special Shirt

<http://livingarchives.ca/blog/malcolmm/nov-26-2007/819>

A Page of Toys from Holman's Catalogue

<http://livingarchives.ca/blog/emmam/nov-18-2007/727>

Popular Sports and Toys for Boys

<http://livingarchives.ca/blog/emmam/nov-08-2007/687>

Popular Dolls for Girls

<http://livingarchives.ca/blog/emmam/oct-28-2007/365>

Bicycle Parts

<http://livingarchives.ca/blog/anthonyg/dec-13-2007/1076>

Jewelry

<http://livingarchives.ca/blog/ashleyh/nov-23-2007/789>

Women's Fashionable Necklaces and Rings

<http://livingarchives.ca/blog/mischat/nov-22-2007/778>

Men's Good Pajamas and Low Priced Night Shirts

<http://livingarchives.ca/blog/malcolmm/nov-08-2007/692>

Suspenders

<http://livingarchives.ca/blog/nicholas1/nov-08-2007/690>

Overcoats

<http://livingarchives.ca/blog/malcolmm/oct-28-2007/357>

Men's Hats

<http://livingarchives.ca/blog/matthewh/nov-08-2007/695>

Ladies' Hats

<http://livingarchives.ca/blog/amyb/nov-08-2007/693>

Shoes

<http://livingarchives.ca/blog/nicholas1/oct-28-2007/359>

A Living Archives
Prices – Past and Present



1. Select five items from the past/present catalogue. For each item, round the past and present prices to the nearest dollar. Write the ratio of past price to present price for each item in simplest form.

Item	Past Price (Rounded to the nearest dollar)	Present Price (Rounded to the nearest dollar)	Ratio of past price to present price
A.			
B.			
C.			
D.			
E.			

2. Choose five items from the past/present catalogue. For each item, express the past price as a percentage of the present price.

Item	Past Price	Present Price	Past Price as a % of the Present Price
A.			
B.			
C.			
D.			
E.			

Select two items from the above list and illustrate the past price as a percentage of the present price using a picture or chart (e.g. a pie chart).

3. Use your information from question #2. What sale special (e.g. 25% off, 60% off, etc.) would you have to apply to each of the present day prices so that they would equal the past prices?

Item A

Item B

Item C

Item D

Item E



4. Use the past/present catalogue to create three story problems using fractions, decimals, or percentages. Remember: be creative and make sure you know the answers to your own problems!!

A.

B.

C.

5. Complete four of your classmates' story problems. Write out each question, show your work, and check your answer with your classmate to see if you solved the problem.

A.

B.

C.

D.