

GED 2002 Teachers' Handbook of Lesson Plans

Area/Skill - Math	Cognitive Skill Level - Application	Correlation to Framework 05.01,05.16	Lesson Number - 01
<p>Activity Title - Shopping With Basic Math</p> <p>Goal/Objective</p> <p>The student will review and sharpen basic math skills utilizing everyday shopping skills.</p> <p>Lesson Outline</p> <p>Introduction</p> <p>This lesson will take students on a shopping trip to obtain some everyday items and services. Students will utilize basic math computation and have an opportunity to utilize some realia. The instructor should feel free to utilize current realia as available.</p> <p>Activity</p> <p>Poll the class as to how many students own or travel by an automobile. Explain that vehicles need regular maintenance. Shop for a good value in oil change. Provide students with the oil change coupon. Note that a regular oil change is \$25.00. The coupon makes it \$19.95 providing a savings of \$5.05. Use subtraction.</p> <p>Poll the class as to how many students wear glasses. Provide students with a glasses' discount coupon. Note that glasses cost \$225.00. The coupon offers a 25% discount. Compute the amount of discount and savings.</p> <p>Poll the class as to how many students eat. Provide students with a grocery discount coupon. Note that ribs are \$.99 a lb. Compute the cost of ribs. Determine the cost of Kellogg cereal using a \$.35 coupon. Use subtraction</p> <p>Compute the total grocery bill if the following items are purchased. Three lbs. of ribs at \$.99 a lb., cereal at \$1.99 less coupon for \$.35 and orange juice at \$.99.</p> <p>Debriefing/Evaluation Activity</p> <p>Review all operations used in the activity. Discuss the importance of accurate computation and the ability to use the appropriate operation for computations.</p>			<p>Materials/Texts/Realia/Handouts</p> <p>Handouts/overheads</p> <ul style="list-style-type: none"> • Oil change coupon • Glasses coupon • Grocery coupon <p>Calculator</p> <p>Newspapers (optional)</p>
			<p>Extension Activity</p> <p>Compute the % of savings if the Oil Change coupon is used.</p> <p>Compute the amount of money that is saved on the grocery bill using the coupons.</p>
			<p>ESE/ESOL Accommodations</p> <p>Set up the computational problems for the students.</p> <p>Have students verbalize the steps to calculate problems.</p> <p>Provide the students with concrete materials or manipulatives.</p>
<p>Real-Life Connection</p> <p>Encourage students to be aware of the use of coupons and special offers in advertising. Ask students to bring sample offers from various services and items to class for discussion and computation practice.</p>			

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Activity Title – Shopping and Saving

Introduction

Say: Does anyone drive or ride in an automobile? Have you ever had your automobile serviced, shop for food or wear glasses? Of course. Let's save some money with math.

Main Activity

Say: Every motor vehicle needs to have the oil changed at regular intervals. Since this is a necessary part of owning or maintaining a vehicle it would be nice to save some money. Today, we will look at a [discount coupon](#) that will allow us to purchase an oil change for \$19.95. The regular price of this service is \$25.00. How much do you save? (\$5.05). How did you get the answer? Right, subtract \$19.95 from \$25.00 which equals \$5.05.

How many students wear glasses? Do you remember the last time you purchased glasses? It would be nice to save some money on this necessary item wouldn't it? Look at this [coupon](#) for a 25% discount on the price of glasses. How much would you save on a pair of glasses that have a regular price of \$225.00? Remember the way to find a percent of a number is to change the percent to a decimal - 25% becomes .25 and now multiply \$225 times .25 equals \$56.25. Your total cost of glasses would be \$168.75. You used multiplication and subtraction to find this answer.

Does anyone in the class eat? Of course. In order to eat we must shop. At this time let us try and save some money at a grocery store. Look at the example of the grocery [advertisement](#). If ribs cost \$.99 a pound and we buy 3 pounds, how much would it cost? That's right, 3 times \$.99 equals \$2.97. If you wanted to buy some cereal and you had the coupon for \$.35 how much would it cost? That's right, subtract \$.35 from \$1.99 and you would pay \$1.64. Now we will figure up our bill. How much will you pay if you buy 3 pounds of ribs, 1 box of cereal and one carton of juice?

Remember to first multiply 3 times \$.99 for the ribs and subtract \$.35 from \$1.99 to find the cost of the cereal. Now add \$2.97 and \$1.64 and \$.99. What is your total? Correct you owe the grocer. \$5.50 is your bill.

Follow-Up Lesson/Activities

Say: You may want to look through the newspaper and find some coupons and advertisements that you could use. You may also want to discuss how much you really save when you take advantage of coupons and specials.

If you have time, you may want to compute the percent and total amount you save on the grocery bill used in the exercise.

Determine how many pounds of ribs you purchased if your bill for the ribs was \$2.97 and the cost was \$.99 a lb. We can use division to find and answer to this type of problem.

Does anyone think it is important to use math when shopping? Let's review the basic math skills we used for this lesson.

Do: Finish the lesson with a review of basic operations.

Prices Effective June 4 thru June 10, 2000

Start Your Summer Savings at

FOODLAND

CLOSE TO HOME

PRICES EFFECTIVE SUNDAY, JUNE 4, 2000 THRU SATURDAY, JUNE 10, 2000

DOUBLE COUPONS EVEN ON SALE ITEMS

<p style="text-align: center;">U.S.D.A. INSPECTED Pork, TENDERBEST, Pork Shoulder</p> <p style="text-align: center;">Sugardale Semi-Boneless Whole Hams <i>or</i> Country Style Ribs</p> <p style="text-align: center; font-size: 2em; color: red;">99¢</p> <p style="text-align: center;">lb</p> <p style="font-size: x-small;">SAVE \$1.00</p> <p style="font-size: x-small;">Your Choice!</p> <p style="font-size: x-small;">SAVE \$1.20</p>	<p style="text-align: center; border: 1px dashed red; padding: 2px;">BONUS COUPON</p> <p style="text-align: center;">5 lb bag Domino Granulated Sugar</p> <p style="text-align: center; font-size: 2em; color: red;">\$1.29</p> <p style="font-size: x-small;">SAVE \$1.20</p> <p style="font-size: x-small;">DOMINO</p> <p style="font-size: x-small;">WITH THIS COUPON & \$2.00 OFF POSTAGE. GOOD ONLY AT FOODLAND. VALID 6/4-10/00. Excludes Items Restricted By Law. LIMIT 1 COUPON PER CUSTOMER.</p>
<p style="font-size: x-small;">Vitamin C & Fiber</p> <p style="text-align: center;">Super Sweet Yellow Corn</p> <p style="text-align: center; font-size: 2em; color: red;">\$1.99</p> <p style="text-align: center;">dozen</p> <p style="font-size: x-small;">Get our Produce Freshness Guarantee on pg. 12</p>	<p style="font-size: x-small;">200% Fat Free</p> <p style="text-align: center;">Honeysuckle Oven Roast Turkey Breast <i>or</i> Mozzarella or Provolone Cheese</p> <p style="text-align: center; font-size: 2em; color: red;">\$2.99</p> <p style="text-align: center;">lb</p> <p style="font-size: x-small;">SAVE \$1.00</p> <p style="font-size: x-small;">BUY ONE GET ONE FREE</p> <p style="font-size: x-small;">SAVE \$1.10</p>
<p style="font-size: x-small;">Regular Rolls 24 ct pkg or Double Rolls 12 ct pkg</p> <p style="text-align: center;">Charmin Bath Tissue</p> <p style="text-align: center; font-size: 2em; color: red;">\$4.99</p> <p style="font-size: x-small;">SAVE \$2.60</p>	<p style="font-size: x-small;">64 oz ct, Regular or With Pulp</p> <p style="text-align: center;">Foodland Orange Juice</p> <p style="text-align: center; font-size: 2em; color: red;">99¢</p> <p style="font-size: x-small;">SAVE \$1.00</p>
<p style="font-size: x-small;">6 ct pkg, Assorted Varieties</p> <p style="text-align: center;">Klondike Ice Cream Bars</p> <p style="text-align: center; font-size: 2em; color: red;">FREE</p> <p style="font-size: x-small;">Buy One Get One FREE</p> <p style="font-size: x-small;">SAVE \$3.79</p>	<p style="font-size: x-small;">Frosted Bite Size Mini Wheat 11 oz box, Apple Jacks, Corn Pops or Frosty Loops 15 oz box</p> <p style="text-align: center;">Kellogg's Cereal</p> <p style="text-align: center; font-size: 2em; color: red;">\$1.99</p> <p style="font-size: x-small;">SAVE \$2.00</p>

Seaworld Cleveland Discount Fun Cards Now Available.

These tickets are good for unlimited visits all summer long. \$2.00 off adult and child tickets (some restrictions apply).

[Home](#) | [Store Locations](#) | [Special Promotions](#)
[Specials](#) | [Coupons](#) | [E-mail](#)

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 Provided [Grocery Shopping Network](#) ©1998-99

