

FINANCIAL LITERACY LESSON PLAN

GRADE: 3-5
SUBJECT: Math/Financial Literacy
UNIT/LESSON TOPIC: Menu Math

Content Standards:

- M.3.8 – Solve two-step word problems using the four operations
- M.4.9 – Fluently add and subtract multi-digit whole numbers
- M.5.10 – Add, subtract, multiply and divide decimals to the hundredths

Financial Literacy Content Objective: Buying goods and services

1. Engage:

- Teacher will create a spider web graphic organizer with the word “Menu” in the center.
- Students will do a Think, Pair, Share with a partner to discuss what they see on a menu, where they see a menu, and the purpose of a menu. As students share their thoughts, the teacher will add them to the graphic organizer.
- In case students have questions throughout the entire lesson, it would be a good idea to give the students post-it notes to jot down the questions. The post-it notes can be placed in a central location (also known as a “parking lot”) and teacher can answer throughout the lesson.

2. Explore:

- Depending on the grade level (3rd and 4th can use whole number menus, whereas 5th grade can use menus that include decimals) students are to read and explore a menu with a partner.
- After students have had time to explore the menu, have a mini discussion (or report out) what they discovered on the menu (words, food, numbers, etc.). After the mini discussion, demonstrate to all students how to read the menu. This step is very important so that students will be success on the next task.

During the next activity, partners will take turns “taking orders.” It is also a good idea to model how partners will take to turns to ensure they successful complete this task.

- Partners can take turn “taking orders” of their partner’s wants/needs.
- The “waiter/waitress” will record the order on the ticket by writing the item and amount. Next, the “waiter/waitress” will find the order total by adding the prices of all the items together.
- The “customer” will double check the “waiter/waitress” by also finding the total of the order.
- The “customer” can pretend to pay for the order using an amount greater than the total which will cause the “waiter/waitress” to find the correct change due to the “customer”
- Students will switch roles.

***While students are completing this activity, the teacher should constantly walk around the**

room to monitor students to ensure they are on-task and understanding the task. If the teacher hears or sees partners struggling with the task, the teacher will need to ask questions and/or model to help them get on track with the task.

3. Explain:

- Teacher will bring the students back together as a whole group to discuss the following questions:
 - Why is it important for both the “waiter/waitress” and “customer” to find the total of each order? **(to take make sure the customer was being charged the correct price)**
 - What important math concepts did you have to remember when finding the total or change for each order? **(lining up the whole numbers or lining up the decimals)**
- Next, the teacher needs to create a discussion about goods and services and how it relates to the menu. The teacher can ask the following questions to guide the discussion.
 - How does the menu help the consumer to know what goods can be bought?
 - What services does menu provide?
(this will depend on the type of menu you choose to use)
 - If the consumer does not have the means (money) to buy the goods, what could the consumer do? **(Earn an income in order to pay for the product)**
 - If the consumer has some money but does not have enough money to buy the goods desired, what could the consumer do? **(Save money and add it to future income)**

4. Elaborate/Extension:

- To see how this activity will prepare for math in the real world, have students watch the following video (3 min. 30 sec)
“Cyberchase: Balancing Act For Real”
<https://www.youtube.com/watch?v=z7zBlPbVoYg>
- Replay the video but stop the video throughout to ask questions to ensure understanding.

Other Extension Activities:

- Students could repeat the previous activity but using a different menu.
- Students could practice paying for the order using play money or writing a check.
- Students could work with a partner to create a menu that would encourage people to buy particular goods and services.

5. Evaluate:

- Students will be evaluated using an exit ticket. Two different exit tickets are included with lesson depending on grade level objectives. This exit ticket can be printed for each student or projected and students can write answers on notebook paper or a post-it note.

Resources for lesson are below and on the following pages:

Printable menus:

- Pizza (using decimals)
<http://www.ourhometownsupercoupons.com/pizzahousepizzachefprintablemenupage.html>
- Lunch & Dinner (using decimals)
<http://springgardenrestaurant.com/menu/dinner>
- Variety of menu templates (whole numbers and decimals)
<http://www.frip.in/great-restaurant-food-menu-print-templates/>
- Bistro Menu (whole numbers)
<http://www.aflexiblelife.com/everyday/2012/01/30/a-diy-kids-restaurant-party-with-free-printables/#.Vz5xTUrLIU>

Materials needed for lesson

- Whiteboard, Smartboard, or poster paper for a web graphic organizer
- Post-it notes
- Printable menus (see links above)
- Access to Internet for video and a way to show to students
- Printed out “tickets” and “exit slip”

Menu Math	
<i>Item for Purchase</i>	<i>Price</i>
Total	
Change	

Menu Math	
<i>Item for Purchase</i>	<i>Price</i>
Total	
Change	

Menu Math	
<i>Item for Purchase</i>	<i>Price</i>
Total	
Change	

Exit
Ticket
Name

Menu Math	
<i>Item for Purchase</i>	<i>Price</i>
Total	
Change	

Susan went to the Dairy Delight to celebrate her winning basket at her game. She could choose one meal deal and dessert. Help Susan decide what she should order and how much the order will cost.

Meal Deals		Delicious Desserts	
Hamburger & Fries	\$4.75	Hot Fudge Sundae	\$1.25
Cheeseburger & Fries	\$5.00	Milkshake	\$2.75
Chicken Nuggets & Fries	\$4.50	Double Scoop Cone	\$1.50
Grilled Cheese & Fries	\$3.75	Banana Split	\$3.75
Mini Pizza & Applesauce	\$5.25	Fruity Slushy	\$3.25

Susan's mother paid the bill with a \$20. How much change will Susan's mother receive? Make sure to show all your work to justify your answer.

Exit Ticket

Name _____

Susan went to the Dairy Delight to celebrate her winning basket at her game. She could choose one meal deal and dessert. Help Susan decide what she should order and how much the order will cost.

Meal Deals		Delicious Desserts	
Hamburger & Fries	\$4	Hot Fudge Sundae	\$1
Cheeseburger & Fries	\$5	Milkshake	\$2
Chicken Nuggets & Fries	\$4	Double Scoop Cone	\$2
Grilled Cheese & Fries	\$3	Banana Split	\$4
Mini Pizza & Applesauce	\$6	Fruity Slushy	\$3

Susan's mother paid the bill with a \$20. How much change will Susan's mother receive? Make sure to show all your work to justify your answer.