

Grade Band: 3-5

Lesson Length: Approximately 2 days

NCTM Standard and Expectation

Number and Operations

1. Understand numbers, ways of representing numbers, relationships among numbers, and number systems.
2. Understand meaning of operations and how they relate to one another.
3. Compute fluently and make reasonable estimates.

Learning Objectives

1. The student will understand the roles of the cashier and customer when making and receiving change.
2. The student will calculate change based on single item purchases paid with a \$1.00 and \$5.00 bill.
3. Assuming the role of a cashier, the student will calculate total purchase amounts for multi-item sales receipts and the amount of change to give to a customer based on cash paid.
4. The student will compute change, given various item prices and cash paid, in a game of bingo.

Connection to Bloom's Taxonomy

- ✓ Comprehension
- ✓ Application
- ✓ Analysis
- ✓ Synthesis

RG's Literary Connection



The Coin Counting Book by Rozanne Lanczak Williams is an excellent introductory book to the world of money. The author cleverly uses quick rhymes and jingles to count and add coins of different denominations. Students have the opportunity to practice using math skills that are needed in order to count and make correct change. Coins are displayed in a photograph form that is easy to see and includes simple mathematics equations. This book is an excellent addition to any elementary media center and will prove to be a teacher favorite.

Word Origin by Hannie



Denomination is originally from the Latin word *denominationem* which means "a naming" and was from the late 1300's. In the mid 1600's it was from the Latin word *denominare* which means "to name completely" and is from *de* meaning completely and *nominare* meaning "to name". Denomination is a naming or designation and can be used to describe or name many things. For example, it is used to name religious groups such as the Catholic, Lutheran, Methodist, and others. In the case of money it is used as a value system.

Vocabulary Words



1. Denomination – the face value of money
2. Customer – someone who pays for goods and/or services

Learning Model Component

- ✓ Making Connections
- ✓ Exploring and Learning
- ✓ Extended Learning and Practice
- ✓ Assessment
- ✓ Closure

Teaching Strategies

- ✓ Brainstorming
- ✓ Guided Practice
- ✓ Paired Learning

Materials List

- ✓ Play or real money (containing a \$1 bill, \$5 bill, and coins)
- ✓ Calculator
- ✓ Going Shopping
- ✓ Geddes Kit List Change Chart
- ✓ Geddes Kit List Change Chart - Key
- ✓ Making Change Worksheet
- ✓ Making Change Worksheet – Key
- ✓ Geddes Bingo Card 1
- ✓ Geddes Bingo Card 2
- ✓ Geddes Bingo Card 3
- ✓ Geddes Bingo Item Cards (Pre-cut cards prior to lesson)
- ✓ Assessment of Student Progress
- ✓ Bingo markers
- ✓ Pencils
- ✓ Calculators
- ✓ Index Cards
- ✓ Crayons or colored pencils

Making Change

Making Connections

Start this lesson by asking the simple question, "What is exact change?" Students should understand that this is the same amount as the purchase amount. For example, if you buy a candy bar for \$.50 you give the seller exactly \$.50 and not a penny less or more. Ask the students, "What if you don't have the exact amount of money for the candy bar?" The opposite of exact change is simple change back from your purchase. If you purchased the candy bar with a dollar bill, your change would be \$.50 in coins.

Next, as a class, brainstorm a list of places where you and your family shop or go to for services that require payment. Some responses may include the following:

- Grocery store
- Gas station
- Department store
- Post office
- Barber shop or hair salon
- Pet store
- Convenience store
- Wholesale shopping club
- Shoe store
- Book store
- Sporting goods store
- Toy store
- Ice cream shop
- Coffee shop
- Fast food restaurants
- School store

Explain that often, adults may use a credit or debit card to make a purchase. However, many times people pay for products and services with cash. If you don't have the exact amount of cash (also referred to as exact change), you can give more than the total and receive money back in return. This is called receiving change. Receiving change back may include both coin and paper money.

Have students test their shopping knowledge by asking them how much cash in specific denominations is needed to make each assumed purchase on the Going Shopping chart. Answers will vary depending on student experiences and money sense.

Exploring and Learning

1. Ask students to consider the following: who is responsible for making sure that you receive the correct change when making a purchase or paying for a service with cash? Students may think it is the responsibility of the cashier. However, the customer (person who is making the purchase) is also responsible and should always be aware that mistakes can often be made by cashiers. Both the customer and cashier should always check to make sure that the correct change is given and/or received.
2. Provide students with practice making change for single item purchases. Pair students together and provide each group with a copy of the Geddes Kit List Change Chart. This worksheet is based on customers purchasing each item with \$1 and \$5 bills. Students may use play money, real money, and/or a calculator to help with calculations if needed.
3. Together as a class, use the Geddes Kit List Change Chart – Key to review answers and to check for student progress.
4. Present students with the following scenario:



Sniffer is working at the Raymond Geddes Elementary School Store as the school store cashier. RG, Hannie, and several friends are visiting the school store during lunch. Can you help Sniffer calculate the change that should be returned to each customer based on the cash they use to make each purchase?

5. To help complete the scenario, pair students together and provide each group with a copy of Making Change Worksheet. Explain and list on the board or as a transparency the following instructions with Receipt 1 completed as a sample:
 - Start with Receipt #1
 - Compute the total prices for each item by multiplying the quantity sold by the item's retail price.
Erasing Grip $\$.35 \times 5$ (Quantity) = \$1.75
Piranha Sharpener $\$.50 \times 1$ = .50
 - Calculate the total purchase amounts.
 $\$1.75 + .50 = \2.25
 - Look at the amount cash paid.
Cash paid \$5.00
 - How much change should each customer receive?
 $\$5.00 - \$2.25 = \$2.75$ is the amount of change back from a \$5 bill.
6. Together as a class, use Making Change Worksheet - Key to review answers and to check for student progress for all five receipts.
7. Provide students additional practice by play a game of "Geddes Bingo - Making Change". Prior to the start of the game you will need to reproduce the 3 different Geddes Bingo Cards - Geddes Bingo Card 1, Geddes Bingo Card 2, or Geddes Bingo Card 3. You may choose to do this activity individually, in pairs or groups of 3 or more.
8. Explain and list on the board or as a transparency the following game instruction:
 - Each student or group will select a Bingo card – Geddes Bingo Card 1, Geddes Bingo Card 2, or Geddes Bingo Card 3.
 - Each student or group needs Bingo markers to cover squares as the game is played or a marker can be used to "X" out the square.
 - Cover the Free Space in the center of their bingo card.
 - Place the Geddes Bingo Item Cards into a container and select one person to be the "caller". The caller will draw cards and read the item's price and the amount paid (\$1.00, \$2.00, \$3.00, \$4.00, or \$5.00) aloud to the class and it can also be written on the board.
 - Based on the information contained on the card drawn, students must determine the amount of change to be given.

For example: Retro Pencil card is drawn and the caller calls the \$1.00 paid column with a price of \$.20 for the pencil. The Bingo Columns are the paid amounts of

\$1.00

\$2.00

\$3.00

\$4.00

\$5.00

These dollar amounts replace the letters **B I N G O** on a regular bingo game card.

Students will determine that \$.80 is the change to be given from \$1.00 paid.

If the Bingo card has a \$.80 square in the \$1.00 column it can be covered.

- The first team to cover their bingo card squares to complete a row horizontally, vertically, or diagonally, calls out BINGO. The caller, with help from the teacher, will verify that the team has covered the squares correctly. If the team's card is covered correctly, they win that round of bingo.

Extended Learning and Practice

1. Practice making change by recalculating the amount owed to each school store customer based on each customer paying with a \$20 bill.
2. Students can also play a variation of the Making Change Bingo game where the entire board needs to be covered in order to win.
3. Visit the United States Mint H.I.P. Pocket Change website at <http://www.usmint.gov/kids/games/> for additional games and activities.

Assessment

The lesson objectives can be assessed by evaluating the Geddes Kit List Change Chart, Making Change Worksheet with the Making Change Worksheet - Key. Use the Assessment of Student Progress to assess students' overall abilities to meet the lesson's learning objectives, which include understanding the roles of the cashier and customer when making and receiving change; calculating change based on single item purchases paid with a \$1.00 and \$5.00 bill, assuming the role of a cashier to calculate total purchase amounts for multi-item sales receipts and the amount of change to give to a customer based on cash paid; and computing change, given various item prices and cash paid, in a game of bingo.

Closure

Provide each student with an index card and have them answer the following questions on one side of the index card:

1. Describe two new things that you have learned.
2. What else would you like to learn about this topic?

On the back side of the index card, instruct the students to draw a picture of something they learned about during this lesson. The index cards can be hole punched and held together with a simple shower curtain ring.

Making Change Going Shopping

Store	Assumption	Cash needed
Grocery store	Shopping for family of 4 for one week	\$20 and possibly \$50 bills or \$100 bills and coins
Gas station	Car is nearly empty, fill the gas tank	\$10, \$20 bills, \$50 bills and coin
Department store	A shirt and pants	\$10 and \$20 bills and coins
Post office	1 roll of 100 stamps	\$10 and \$20 bills and coin
Barber shop or hair salon	Haircut and tip	\$1 bill, \$5 and \$10
Pet store	Fish food	\$1 bills and coin
Convenience store	Newspaper	\$1 bills or coin
Wholesale shopping club	Printer paper and ink cartridges	\$10, \$20, \$50 bills and coin
Shoe store	Pair of sneakers	\$10, \$20 \$50 bills coin
Book store	One paperback book	\$1, \$5, \$10 bills and coin
Sporting goods store	Soccer cleats	\$10, \$20 bills and coin
Toy store	Coloring book and crayons	\$1 and \$5 bills and coin
Ice cream shop	One ice cream cone	\$1 bills and coin
Coffee shop	Coffee and bagel	\$1, \$5 bills and coin



Making Change Geddes Kit List Change Chart

	Item Name	RG Item #	Retail Price	Change based On \$1.00	Change based On \$5.00
1	Retro Pencils	67176	\$.20		
2	Pet Silhouettes Pencils	67175	\$.20		
3	Astral Wonders Pencils	67124	\$.20		
4	Munchin Mike Sharpener	67183	\$.50		
5	Piranha Sharpener	67037	\$.50		
6	Mouse Sharpener	65627	\$.50		
7	Erasing Grip	67137	\$.35		
8	Criss Cross Critters	67036	\$.15		
9	Happy Cap Erasers	64259	\$.05		
10	Dessert Erasers	66993	\$.15		
11	Twister Erasers	67027	\$.35		
12	Mini Fish Erasers	67099	\$.50		
13	G Mechanical Pencils	67039	\$.35		
14	Traction Mechanical Pencils	67013	\$.35		
15	Funky Tube Mechanical Pencils	65229	\$.35		
16	.7mm Value Lead	61152	\$.40		
17	Study Buddy Inferno	66967	\$.50		
18	6-Color Pens	66685	\$.75		
19	Bracelet Pens	65581	\$.40		
20	Twister Pens	66921	\$.35		

**Making Change
Geddes Kit List
Change Chart - Key**

	Item Name	RG Item #	Retail Price	Change based On \$1.00	Change based On \$5.00
1	Retro Pencils	67176	\$.20	\$.80	\$ 4.80
2	Pet Silhouettes Pencils	67175	\$.20	\$.80	\$ 4.80
3	Astral Wonders Pencils	67124	\$.20	\$.80	\$ 4.80
4	Munchin Mike Sharpener	67183	\$.50	\$.50	\$ 4.50
5	Piranha Sharpener	67037	\$.50	\$.50	\$ 4.50
6	Mouse Sharpener	65627	\$.50	\$.50	\$ 4.50
7	Erasing Grip	67137	\$.35	\$.65	\$ 4.65
8	Criss Cross Critters	67036	\$.15	\$.85	\$ 4.85
9	Happy Cap Erasers	64259	\$.05	\$.95	\$ 4.95
10	Dessert Erasers	66993	\$.15	\$.85	\$ 4.85
11	Twister Erasers	67027	\$.35	\$.65	\$ 4.65
12	Mini Fish Erasers	67099	\$.50	\$.50	\$ 4.50
13	G Mechanical Pencils	67039	\$.35	\$.65	\$ 4.65
14	Traction Mechanical Pencils	67013	\$.35	\$.65	\$ 4.65
15	Funky Tube Mechanical Pencils	65229	\$.35	\$.65	\$ 4.65
16	.7mm Value Lead	61152	\$.40	\$.60	\$ 4.60
17	Study Buddy Inferno	66967	\$.50	\$.50	\$ 4.50
18	6-Color Pens	66685	\$.75	\$.25	\$ 4.25
19	Bracelet Pens	65581	\$.40	\$.60	\$ 4.60
20	Twister Pens	66921	\$.35	\$.65	\$ 4.65



Making Change Making Change Worksheet

Complete each sales receipt by calculating total prices for each item of the receipt, the total purchase amount, and change to return to the customer.

Receipt #1

Customer Name: RG

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Erasing Grip	\$.35		5		\$
Piranha Sharpener	\$.50		1		\$
Total Purchase Amount					\$
Cash Paid					\$ 5.00
Change					\$

Receipt #2

Customer Name: Hannie

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Twister Pen	\$.35		2		\$
Mini Fish Erasers	\$.50		2		\$
Mouse Sharpener	\$.50		1		\$
Bracelet Pen	\$.40		2		\$
Total Purchase Amount					\$
Cash Paid					\$ 5.00
Change					\$

Receipt #3

Customer Name: Laura

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Twister Eraser	\$.35		3		\$
Astral Wonders Pencil	\$.20		2		\$
Dessert Erasers	\$.15		3		\$
Total Purchase					\$
Cash Paid					\$ 5.00
Change					\$



Making Change

Making Change

Worksheet

Receipt #4

Customer Name: Chip

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
G Mechanical Pencil	\$.35		4		\$
Pet Silhouettes Pencil	\$.20		4		\$
Piranha Sharpener	\$.50		4		\$
6-Color Pen	\$.75		2		\$
Total Purchase					\$
Cash Paid					\$10.00
Change					\$

Receipt #5

Customer Name: Patrick

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Happy Cap Erasers	\$.05		3		\$
Bracelet Pen	\$.40		1		\$
Piranha Sharpener	\$.50		1		\$
Dessert Erasers	\$.15		2		\$
Total Purchase					\$
Cash Paid					\$ 2.00
Change					\$

Making Change Making Change Worksheet - Key

Complete each sales receipt by calculating total prices for each item of the receipt, the total purchase amount, and change to return to the customer.

Receipt #1

Customer Name: RG

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Erasing Grip	\$.35		5		\$ 1.75
Piranha Sharpener	\$.50		1		\$.50
					Total Purchase Amount \$ 2.25
					Cash Paid \$ 5.00
					Change \$ 2.75

Receipt #2

Customer Name: Hannie

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Twister Pen	\$.35		2		\$.70
Mini Fish Erasers	\$.50		2		\$ 1.00
Mouse Sharpener	\$.50		1		\$.50
Bracelet Pen	\$.40		2		\$.80
					Total Purchase Amount \$ 3.00
					Cash Paid \$ 5.00
					Change \$ 2.00

Receipt #3

Customer Name: Laura

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Twister Eraser	\$.35		3		\$ 1.05
Astral Wonders Pencil	\$.20		2		\$.40
Dessert Erasers	\$.15		3		\$.45
					Total Purchase \$ 1.90
					Cash Paid \$ 5.00
					Change \$ 3.10

Making Change

Making Change

Worksheet - Key

Receipt #4

Customer Name: Chip

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
G Mechanical Pencil	\$.35		4		\$ 1.40
Pet Silhouettes Pencil	\$.20		4		\$.80
Piranha Sharpener	\$.50		4		\$ 2.00
6-Color Pen	\$. 5		2		\$ 1.50
					Total Purchase \$ 5.70
					Cash Paid \$10.00
					Change \$ 4.30

Receipt #5

Customer Name: Patrick

<u>Item Name</u>	<u>Retail Price</u>	x	<u>Quantity</u>	=	<u>Total Price</u>
Happy Cap Erasers	\$.05		3		\$.15
Bracelet Pen	\$.40		1		\$.40
Piranha Sharpener	\$.50		1		\$.50
Dessert Erasers	\$.15		2		\$.30
					Total Purchase \$ 1.35
					Cash Paid \$ 2.00
					Change \$.65

Making Change Geddes Bingo Card 1

\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
.65	\$1.80	\$2.50	\$3.60	\$4.25
.80	\$1.50	\$2.60	\$3.85	\$4.60
.95	\$1.60	FREE SPACE	\$3.50	\$4.50
.50	\$1.25	\$2.95	\$3.80	\$4.80
.85	\$1.65	\$2.25	\$3.65	\$4.65

Making Change Geddes Bingo Card 2

\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
.65	\$1.80	\$2.80	\$3.60	\$4.25
.25	\$1.50	\$2.60	\$3.95	\$4.85
.95	\$1.85	FREE SPACE	\$3.50	\$4.50
.50	\$1.25	\$2.95	\$3.80	\$4.95
.60	\$1.95	\$2.65	\$3.25	\$4.65

Making Change Geddes Bingo Card 3

\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
.60	\$1.65	\$2.85	\$3.60	\$4.80
.25	\$1.25	\$2.60	\$3.85	\$4.95
.85	\$1.85	FREE SPACE	\$3.65	\$4.25
.50	\$1.80	\$2.50	\$3.80	\$4.95
.95	\$1.60	\$2.25	\$3.25	\$4.65

Geddes Bingo Item Cards

Cut along lines to create individual cards.

Retro Pencil Price: \$.20 Paid: \$1.00 <i>Change: \$.80</i>	Retro Pencil Price: \$.20 Paid: \$2.00 <i>Change: \$1.80</i>	Retro Pencil Price: \$.20 Paid: \$3.00 <i>Change: \$2.80</i>	Retro Pencil Price: \$.20 Paid: \$4.00 <i>Change: \$3.80</i>	Retro Pencil Price: \$.20 Paid: \$5.00 <i>Change: \$4.80</i>
Pet Silhouettes Pencil Price: \$.20 Paid: \$1.00 <i>Change: \$.80</i>	Pet Silhouettes Pencil Price: \$.20 Paid: \$2.00 <i>Change: \$1.80</i>	Pet Silhouettes Pencil Price: \$.20 Paid: \$3.00 <i>Change: \$2.80</i>	Pet Silhouettes Pencil Price: \$.20 Paid: \$4.00 <i>Change: \$3.80</i>	Pet Silhouettes Pencil Price: \$.20 Paid: \$5.00 <i>Change: \$4.80</i>
Astral Wonders Pencil Price: \$.20 Paid: \$1.00 <i>Change: \$.80</i>	Astral Wonders Pencil Price: \$.20 Paid: \$2.00 <i>Change: \$1.80</i>	Astral Wonders Pencil Price: \$.20 Paid: \$3.00 <i>Change: \$2.80</i>	Astral Wonders Pencil Price: \$.20 Paid: \$4.00 <i>Change: \$3.80</i>	Astral Wonders Pencil Price: \$.20 Paid: \$5.00 <i>Change: \$4.80</i>
Munchin Mike Sharpener Price: \$.50 Paid: \$1.00 <i>Change: \$.50</i>	Munchin Mike Sharpener Price: \$.50 Paid: \$2.00 <i>Change: \$1.50</i>	Munchin Mike Sharpener Price: \$.50 Paid: \$3.00 <i>Change: \$2.50</i>	Munchin Mike Sharpener Price: \$.50 Paid: \$4.00 <i>Change: \$3.50</i>	Munchin Mike Sharpener Price: \$.50 Paid: \$5.00 <i>Change: \$4.50</i>
Piranha Sharpener Price: \$.50 Paid: \$1.00 <i>Change: \$.50</i>	Piranha Sharpener Price: \$.50 Paid: \$2.00 <i>Change: \$1.50</i>	Piranha Sharpener Price: \$.50 Paid: \$3.00 <i>Change: \$2.50</i>	Piranha Sharpener Price: \$.50 Paid: \$4.00 <i>Change: \$3.50</i>	Piranha Sharpener Price: \$.50 Paid: \$5.00 <i>Change: \$4.50</i>
Mouse Sharpener Price: \$.50 Paid: \$1.00 <i>Change: \$.50</i>	Mouse Sharpener Price: \$.50 Paid: \$2.00 <i>Change: \$1.50</i>	Mouse Sharpener Price: \$.50 Paid: \$3.00 <i>Change: \$2.50</i>	Mouse Sharpener Price: \$.50 Paid: \$4.00 <i>Change: \$3.50</i>	Mouse Sharpener Price: \$.50 Paid: \$5.00 <i>Change: \$4.50</i>
Erasing Grip Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	Erasing Grip Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	Erasing Grip Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	Erasing Grip Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	Erasing Grip Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>
Criss Cross Critters Price: \$.15 Paid: \$1.00 <i>Change: \$.85</i>	Criss Cross Critters Price: \$.15 Paid: \$2.00 <i>Change: \$1.85</i>	Criss Cross Critters Price: \$.15 Paid: \$3.00 <i>Change: \$2.85</i>	Criss Cross Critters Price: \$.15 Paid: \$4.00 <i>Change: \$3.85</i>	Criss Cross Critters Price: \$.15 Paid: \$5.00 <i>Change: \$4.85</i>
Happy Cap Erasers Price: \$.05 Paid: \$1.00 <i>Change: \$.95</i>	Happy Cap Erasers Price: \$.05 Paid: \$2.00 <i>Change: \$1.95</i>	Happy Cap Erasers Price: \$.05 Paid: \$3.00 <i>Change: \$2.95</i>	Happy Cap Erasers Price: \$.05 Paid: \$4.00 <i>Change: \$3.95</i>	Happy Cap Erasers Price: \$.05 Paid: \$5.00 <i>Change: \$4.95</i>
Dessert Erasers Price: \$.15 Paid: \$1.00 <i>Change: \$.85</i>	Dessert Erasers Price: \$.15 Paid: \$2.00 <i>Change: \$1.85</i>	Dessert Erasers Price: \$.15 Paid: \$3.00 <i>Change: \$2.85</i>	Dessert Erasers Price: \$.15 Paid: \$4.00 <i>Change: \$3.85</i>	Dessert Erasers Price: \$.15 Paid: \$5.00 <i>Change: \$4.85</i>

Twister Erasers Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	Twister Erasers Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	Twister Erasers Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	Twister Erasers Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	Twister Erasers Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>
Mini Fish Erasers Price: \$.50 Paid: \$1.00 <i>Change: \$.50</i>	Mini Fish Erasers Price: \$.50 Paid: \$2.00 <i>Change: \$1.50</i>	Mini Fish Erasers Price: \$.50 Paid: \$3.00 <i>Change: \$2.50</i>	Mini Fish Erasers Price: \$.50 Paid: \$4.00 <i>Change: \$3.50</i>	Mini Fish Erasers Price: \$.50 Paid: \$5.00 <i>Change: \$4.50</i>
G Mechanical Pencils Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	G Mechanical Pencils Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	G Mechanical Pencils Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	G Mechanical Pencils Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	G Mechanical Pencils Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>
Traction Mechanical Pencils Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	Traction Mechanical Pencils Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	Traction Mechanical Pencils Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	Traction Mechanical Pencils Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	Traction Mechanical Pencils Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>
Funky Tube Mechanical Pencil Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	Funky Tube Mechanical Pencil Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	Funky Tube Mechanical Pencil Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	Funky Tube Mechanical Pencil Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	Funky Tube Mechanical Pencil Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>
.7mm Value Lead Price: \$.40 Paid: \$1.00 <i>Change: \$.60</i>	.7mm Value Lead Price: \$.40 Paid: \$2.00 <i>Change: \$1.60</i>	.7mm Value Lead Price: \$.40 Paid: \$3.00 <i>Change: \$2.60</i>	.7mm Value Lead Price: \$.40 Paid: \$4.00 <i>Change: \$3.60</i>	.7mm Value Lead Price: \$.40 Paid: \$5.00 <i>Change: \$4.60</i>
Study Buddy Inferno Price: \$.50 Paid: \$1.00 <i>Change: \$.50</i>	Study Buddy Inferno Price: \$.50 Paid: \$2.00 <i>Change: \$1.50</i>	Study Buddy Inferno Price: \$.50 Paid: \$3.00 <i>Change: \$2.50</i>	Study Buddy Inferno Price: \$.50 Paid: \$4.00 <i>Change: \$3.50</i>	Study Buddy Inferno Price: \$.50 Paid: \$5.00 <i>Change: \$4.50</i>
6-Color Pen Price: \$.75 Paid: \$1.00 <i>Change: \$.25</i>	6-Color Pen Price: \$.75 Paid: \$2.00 <i>Change: \$1.25</i>	6-Color Pen Price: \$.75 Paid: \$3.00 <i>Change: \$2.25</i>	6-Color Pen Price: \$.75 Paid: \$4.00 <i>Change: \$3.25</i>	6-Color Pen Price: \$.75 Paid: \$5.00 <i>Change: \$4.25</i>
Bracelet Pen Price: \$.40 Paid: \$1.00 <i>Change: \$.60</i>	Bracelet Pen Price: \$.40 Paid: \$2.00 <i>Change: \$1.60</i>	Bracelet Pen Price: \$.40 Paid: \$3.00 <i>Change: \$2.60</i>	Bracelet Pen Price: \$.40 Paid: \$4.00 <i>Change: \$3.60</i>	Bracelet Pen Price: \$.40 Paid: \$5.00 <i>Change: \$4.60</i>
Twister Pen Price: \$.35 Paid: \$1.00 <i>Change: \$.65</i>	Twister Pen Price: \$.35 Paid: \$2.00 <i>Change: \$1.65</i>	Twister Pen Price: \$.35 Paid: \$3.00 <i>Change: \$2.65</i>	Twister Pen Price: \$.35 Paid: \$4.00 <i>Change: \$3.65</i>	Twister Pen Price: \$.35 Paid: \$5.00 <i>Change: \$4.65</i>

Making Change Assessment of Student Progress

Use the following summary to assess a student's abilities and performance throughout the lesson. Share this assessment with students at the start of the lesson so that students will understand how they will be assessed prior to beginning the Exploring and Learning section. Use this tool as a basis for providing feedback to the student. Use the scale below to score each of the following items:

Making Connections:

- _____ Student identifies several locations he/she shops for products or services.
- _____ Student participates in discussion by suggesting what denominations of money they would bring to make specific product or service purchases.

Exploring and Learning

- _____ Student works with partner to make change for single item purchases based on customers paying with \$1 and \$5 bills.
- _____ The Geddes Kit List Change Chart contains accurate calculations.
- _____ Student works with partner to assume the role of a cashier. As cashiers, students will calculate total purchase amounts for multi-item sales receipts and the amount of change to give to a customer based on cash paid.
- _____ The Making Change Worksheet contains accurate calculations.
- _____ Student works with partner to compute change, given various item prices and cash paid, in a game of bingo.
- _____ Bingo card calculations are correct and corresponding squares are covered appropriately.

SCALE

4 – Excellent

Student completes the activity, task or assignment with no errors and demonstrates mastery of concepts and/or lesson objectives.

3 – Good

Student completes the activity, task, or assignment with few major errors and demonstrates an understanding of the concepts and/or lesson objectives.

2 – Fair

Student completes the activity, task, or assignment with some major errors and demonstrates difficulty with the concepts and lesson objectives.

1 – Poor

Student does not complete the activity, task, or assignment and demonstrates no understanding of the concepts and/or lesson objectives.