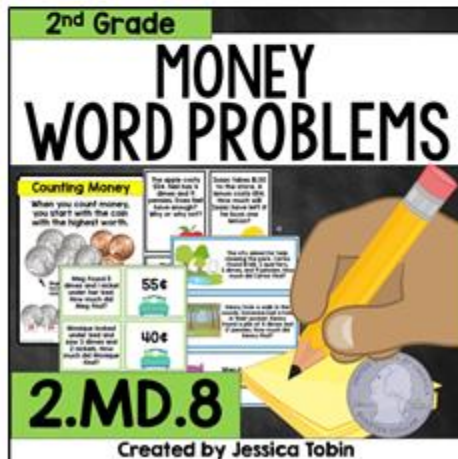


2.MD.8

This math unit provides lesson plans and math group resources to use while teaching the standard **2.MD.8**, which states that students will be able to...
"Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?"



Using This Unit

Let's look at the structure of this unit.

Pre-Assessment

- A pre-assessment is included that will help give you an idea of where your students are with this specific standard. Give this pre-assessment prior to any lessons on the standard.

Daily Lessons





- Whole Group**- The whole group lesson will typically involve an anchor chart or poster to discuss. This should take about five minutes to complete.
- Partner Practice**- The whole group activity will be followed up with a partner practice activity. It will build on the knowledge the students learned or reviewed in the whole group lesson. This should take between 5-10 minutes.
- MATH Groups**- There are four break-apart groups to do each day. Each rotation can last between 10-15 minutes depending on how long you get for your math block.
 - Math Writing*- 2 writing options are given each day (one full sized page OR a cut and glue strip for a math journal)
 - Apply Skills*- You will find a variety of practice resources here, such as printables, interactive notebooks, or partner activities.
 - Teacher Time*- Small group differentiation can happen here. Most days will include a 'Remediation' activity, an 'On-Level' activity, and an 'Enrichment' activity.
 - Hands-on Practice*- These centers will give your students chances to get practice with manipulatives and other engaging activities.
- Exit Slip**- Every single day will come with an exit slip for students to show what they learned that day. Teacher will cut apart the three strips.

Assessment

- This is to be completed after all lessons and math groups are taught.

Daily Lesson Plans

Each standards-based math unit comes with daily lessons. Some are 3 days, while others may be 5+ days, depending on how complex the standard is. There are **4 main components** of each daily lesson.

2 nd Grade Math: 2.MD.8 Lesson #1	2.MD.8 lesson 1	
I can solve word problems about money.		
Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?		
Activities		
Materials		
Whole Group	Today's lesson focus will be on <u>counting like coins</u> . Teacher will introduce the value of each dollar bill and coin. Then, teacher will create an anchor chart with the students discussing how to count bills and coins, or teacher can simply display the counting money poster and discuss. Then, teacher will model how to skip count by the coin's value to count like coins.	
Partner Practice	Teacher will display a coin card. Students will participate in Mix-Pair-Share to count. They will mix up around the room, pair up with a new partner, and share the value of each card. Repeat for all six cards.	
Math Groups	M - Students will write about counting money. Teacher will choose the full page writing sheet OR the cut apart strips for math journals. A - Teacher will either copy the two printables front/back for students to complete with pencils or slide them into sheet protectors for students to complete with dry erase markers. T - Remediation- Teacher will quiz students with money flashcards. He or she will show the coin and ask for the coin's name, then repeat with asking for the coin's value. <i>On-level</i> Students will pull a task card, count the coins, and record their answer. <i>Enrichment</i> - Students will work with a partner to pull a task card that explains how many coins a person has. They have to count to figure out how much and record on the recording sheet. H - Students will spin two spinners (one for # of coins, and one for type of coins). Then, they will count and record.	
Exit Slip	Students will complete an exit slip independently. Students will trade papers with a nearby classmate and grade their paper with a marker/pen while teacher reviews answers as a whole group.	

Whole group activity: This activity will typically include an anchor chart mini poster, plus some sort of teacher modeling activity.


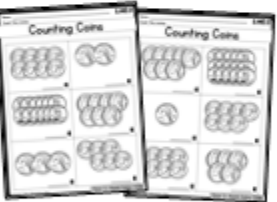


Partner practice: This will be a hands-on partner activity following the whole-group.

M.A.T.H. groups: (Explained in depth on next page) There are four groups/centers.

Exit slip: There are 3 exit slips to a page to cut out and administer for student learning.

M.A.T.H. Groups

Each day comes with four group activity suggestions and materials for 'M.A.T.H.' groups. This is your small group time, splitting the class up into four groups to rotate around the room, participating in different activities for 10-20 minutes a piece.

M	Math Writing	2 options... worksheet or cut/glue notebook strips	
A	Apply New Skills	Worksheet or interactive notebook activities to apply the skill learned in whole group	
T	Teacher Time	Differentiated time for 3 levels (remediation, on-level, enrichment)	
H	Hands-On Math	Engaging center to follow up on the whole group/partner practice	

Day 1 Activities

Here's a look at day 1's whole group, partner practice, MATH group activities, and exit slip.

2nd Grade Math: 2.MD.8 Lesson 8

I can solve word problems about money.

Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?

How Much is it Worth?

	Dollar	\$1
	Quarter	25¢
	Dime	10¢
	Nickel	5¢

Counting Money

When you count like-coins together, you skip count by what the coin is worth.

If you're counting quarters, you'll count by 25. (25, 50, 75, 100)

If you're counting dimes, you'll count by 10. (10, 20, 30)

	How much do I have?		How much do I have?
	How much do I have?		How much do I have?

Name: _____

I found three quarters. My little brother found three dimes. He said we had the same amount because we both had three coins.

a. How much do both kids have?
b. Explain why her brother was incorrect.

I found three quarters. My little brother found three dimes. He said we had the same amount because we both had three coins.

a. How much do both kids have?
b. Explain why her brother was incorrect.

Counting Coins

Count the money.

Counting Coins

Count the money.

2.MD.8

Count the money.

2.MD.8

Count the money.

2.MD.8

Count the money.

2.MD.8

Count the money.

I have 6 dimes.
How much are my coins worth?

I have 22 pennies.
How much are my coins worth?

I have 12 nickels.
How much are my coins worth?

I have 7 pennies.
How much are my coins worth?

I have 2 quarters.
How much are my coins worth?

I have 9 dimes.
How much are my coins worth?

I have 5 nickels.
How much are my coins worth?

I have 3 quarters.
How much are my coins worth?

I have 15 nickels.
How much are my coins worth?

I have 17 pennies.
How much are my coins worth?

I have 4 dimes.
How much are my coins worth?

I have 1 quarter.
How much are my coins worth?

2.MD.8

Count the money.

2.MD.8

Count the money.

2.MD.8

Count the money.

2.MD.8 Exit Slip #1

Count the collection of coins. Write the amount below.

2.MD.8 Exit Slip #2

Count the collection of coins. Write the amount below.

2.MD.8 Exit Slip #3

Count the collection of coins. Write the amount below.

Spin the number.

Spin the coin.

Draw it out.

Day 3 Activities

Here's a look at day 3's whole group, partner practice, MATH group activities, and exit slip.

2nd Grade Math: 2.MD.8 Lesson #3

I can solve word problems about money.

2.MD.8 lesson 3

Money Word Problems

One type of money word problems is **figuring out how much someone has.**

Jasmine wants to go shopping for some candy. She has one quarter, two dimes, one nickel, and two pennies. How much does Jasmine have?

First, figure out which coins Jasmine has.

Lin has three quarters and three pennies. Her mom asks her how much money she has. How much should Lin tell her she has?

When Kendrick walks to school, he likes to count coins on the sidewalk. He counted 5 nickels and 8 pennies. How much did Kendrick see on his walk today?

The city asked for help cleaning the park. Carlos found \$1 bill, 2 quarters, 3 dimes, and 4 pennies. How much did Carlos find?

Kenny took a walk in the woods. Someone had left their pocket. Kenny found a pile of 8 dimes and 17 pennies. How much did Kenny find?

John wants ice cream. His mom says she has 1 dollar and 1 quarter. How much money does John have?

Maria asks her dad how much money he has. He has 2 dollars and 1 dime. How much money does Maria have?

2.MD.8

Money Word Problems

Meg found 5 dimes and 1 nickel under her bed. How much did Meg find?

55¢

Monique looked under her bed and saw 3 dimes and 2 nickels. How much did Monique find?

40¢

Hal looked under his bed and found 4 dimes and 1 penny. How much did Hal find?

41¢

2.MD.8

Money Word Problems

Tia looked under her bed and found 5 nickels and 3 pennies. How much did Tia find?

28¢

Keith found 1 dime and 9 pennies under his bed. How much did he find?

19¢

Jerome put on his jacket. In the pocket, he pulled out 1 quarter, 5 dimes, 2 nickels, and 6 pennies. How much money did he find?

19¢

Jerome's mom reminded him to grab the lunch money to put in his backpack. He grabbed 2 quarters, 1 nickel, and 8 pennies. How much money did he get?

25¢

2.MD.8

Money Word Problems

When Jerome and Fido were watching a movie on the couch, Jerome found 3 quarters and 12 pennies. How much did Jerome find?

Alana found some leftover money from lunch in her backpack. She found 3 dimes, 8 nickels, and 3 pennies. How much did Alana find?

On a long car ride to her grandma's house, Alana searched her mom's backseat. She found 8 dimes and 13 pennies. How much did Alana find in all?

Alana rode her bike through the woods. Someone must have dropped some money because she found 3 quarters, 2 nickels, and 9 pennies. How much did Alana find?

Alana and Maria walked to school. Maria dropped her lunch money. Alana helped her pick up 2 quarters, 3 dimes, and 6 pennies. How much lunch money did Maria have?

2.MD.8

Money Word Problems

While Ted was making his bed, he found 7 pennies, 3 dimes, 3 nickels, and 1 quarter.

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2.MD.8

Money Word Problems

Samuel went for a walk in the park. He found 2 quarters, 3 dimes, and 1 nickel. How much money did Samuel find?

At the coffee shop, there was a jar of coins. The workers found that there were 2 quarters and 3 pennies inside. How much money was in the jar?

A jar was playing in the sandbox on the school. In the jar, there had collected 3 quarters, 2 dimes, and 1 penny. How much money did the jar have?

2.MD.8

Money Word Problems

When Sarah was doing her laundry, she found 2 quarters and 1 nickel under her bed. How much did Sarah find?

At the coffee shop, there was a jar of coins. The workers found that there were 2 quarters and 3 pennies inside. How much money was in the jar?

A jar was playing in the sandbox on the school. In the jar, there had collected 3 quarters, 2 dimes, and 1 penny. How much money did the jar have?

2.MD.8

Money Word Problems

Henry went treasure hunting in his yard. He found some rocks, 3 quarters, 1 dime, 1 penny, and 4 pennies. How much money did Henry find?

Berli squatted down to see if there was money under the couch. He saw 2 dimes, 1 penny, and 1 quarter. How much did he see?

When Juan was unpacking, he found a box with 12 nickels, 1 penny, and 3 quarters in it. How much did he find in the box?

Tony dropped 3 pennies, 3 dimes, and 1 quarter on the ground. Someone helped him pick it up. How much did Tony almost lose?

Sabrina showed her mom a jar on a shelf with money in it. The jar had 12 nickels and 12 pennies in it. How much did Sabrina find?

Kate's little sister had 8 pennies, 1 quarter, and 1 nickel at the playground. How much did she lose in all?

2.MD.8

Money Word Problems

Write a math problem here.

Write a math problem here.

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2.MD.8

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2.MD.8

Money Word Problems

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Day 5 Activities

Here's a look at day 5's whole group, partner practice, MATH group activities, and exit slip.

2nd Grade Math: 2.MD.8 Lesson 5

Count Hanna's money.

Hanna looked under her bed. There were 2 quarters, 4 dimes, and 1 penny. How much did Hannah have?

Jonah has... 3 quarters, 2 dimes, 3 pennies
 Carly has... 3 dimes, 3 nickels, 3 pennies
 Laria has... 2 quarters, 3 dimes, 17 pennies
 Jamal has... 12 nickels, 3 dimes, 1 penny
 Li has... 7 pennies, 7 nickels, 1 dime
 Muhamad has... 4 nickels, 4 dimes, 1 penny
 Jillian has... 8 dimes, 5 pennies, 1 nickel
 Cara has... 34 pennies, 2 nickels, 1 dime

59¢ 34¢ 91¢
 52¢ 47¢ 64¢
 86¢ 98¢ 71¢

20¢ 10¢ 30¢

Carly took 50¢ to the store. She spent 3 dimes. How much does she have left?
 Yanis had 75¢. He spent 5 dimes at the store. How much does he have left?
 Henry has 30¢. He spent 1 dime and 1 nickel. How much does Henry have left?

Ms. Smith has 60¢. She spent 5 dimes on a candy bar. How much does she have left?
 Gia has 5 dimes and 5 pennies. She spends 25¢. How much does she have left?

Carly had a \$1 bill. The ice cream man gave her back 2 quarters and 2 pennies. How much did she spend?
 I had 3 quarters and 12 pennies. I bought an ice cream cone for 55¢. How much did I get back?
 Mia found 80¢ in her purse, but she gave my brother 3 nickels and gave me 3 pennies. How much did she have left?
 I took 45¢ to the store. I spent 3 quarters and 1 penny. How much do I have left?
 The tip jar had 5 nickels in it. I added my change to it. I added 6 dimes, 1 quarter, and 1 more nickel. How much does the tip jar have now?

Morgan wanted an ice cream cone that costs 52¢. If she has 3 dimes, 2 quarters, and 5 pennies, how much will she have left?
 Agnes has a \$1 bill. The ice cream she wants is 72¢. How much will she get back after she buys that ice cream?
 Blake has 3 quarters, 1 penny, and 1 nickel. If an ice cream sandwich costs 55¢, how much will she have left over?

Logan buys a 75¢ ice cream cone. He bought the 4 pennies he had left.
 Tyra went to truck with 1 penny. The ice cream cone she bought cost 10¢. How much does she have left?
 Sue took a cream cone back. She had 1 nickel and 1 penny. How much did she have left over?

Lucy took 75¢ to the store. Lucy spent 4 dimes and 4 nickels. How much does Lucy have left?
 Jake has 4 pennies in his hand. The cashier gave him back 16 dimes, 4 nickels, and 1 quarter. How much does he have now?
 Jenny took 3 quarters and 3 nickels to the store. He spent 10¢. How much money did Jenny have left?

Money Word Problems

2.MD.8 Exit Slip #5

2.MD.8 Exit Slip #5

2.MD.8 Exit Slip #5





Assessments

Each unit comes with a pre-assessment to give to students before you teach the standard. This will come before any introduction to the standard. There is also an assessment to give after your unit is complete.

Name: _____ Date: _____

2.MD.8 Pre-Assessment

Write the value of each coin.

How much would you have if you had two dimes and two nickels?

- a) 4¢
- b) 22¢
- c) 30¢
- d) 25¢

How much would you have if you had 1 quarter, 3 dimes, and 7 pennies?

- a) 57¢
- b) 62¢
- c) 87¢
- d) 52¢




I walked into the store with 6 dimes and 7 nickels. The candy was 70¢. Did I have enough money? Why?		
Tara has 3 nickels. Jana has 3 dimes. Who has more money? Why?		

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Name: _____ Date: _____

2.MD.8 Assessment

Write how much is in each box.

How much would you have if you had 2 quarters, 2 dimes, 2 nickels, and 2 pennies?

- a) 82¢
- b) 92¢
- c) 90¢
- d) 87¢

My mom gave me 3 quarters, 1 dime, and 3 pennies to spend. I want a candy bar that costs 82¢. Do I have enough?		
Tyra has \$1.00. If she spends 5 dimes and 4 pennies, how much does she have left?		

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