Grade 2	Lesson: 9-5 Subtracting Two-Dig		Reference to English
		omain: Number and Operations in Base Ten	
Content Objective(s):		Language Objective(s):	
Students will use the standard subtraction algorithm to subtract		Students will say which numbers are bigger or smaller.	
a two-digit number from another two-digit number.		I can say which number is bigger or smaller.	
I can subtraction a two-digit number from another two-digit			
number.			
Essential Understanding:		Required Academic Vocabulary for Word Wall:	
The standard algorithm for subtracting two-digit and two-digit		Listen:	
numbers is just an extension of the algorithm for subtracting		Read:	
two-digit and one-digit numbers.		Write:	
		Speak:	
		Sentence Fran	me:
Materials:		Additional Lesson Vocabulary:	
Connecting cubes		Choose, bigger, smaller, regroup	
Number Cards (Teacher Made)			
Whiteboards, erasers, and markers.			
Subtracting Two-Digit Numbers (page 271)			
Guided Practice (page 272)	1		
Lesson: Instruction			onal Time: 35 minutes
Opening: (4 minutes)	7		

Opening: (4 minutes)

- Have connecting cubes prepared to demonstrate subtraction.
- T: "You have learned how to use models to help you subtract two-digit numbers. Let's do one together.
- Write 41 13 = on the board in a vertical subtraction frame.
- T: "Look at the board, 41 13 = ___. What do we do first?"
- T: "Do I subtract ones or tens first?"
- S: will respond, "we subtract the ones first."
- T: "Yes, we subtract the ones first. 1 take away 3. Can we take 3 cubes from 1?
- S: will respond, "no."
- T: "No we can't. Do we need to regroup?"
- S: will say, "Yes."
- T: "Yes. We need to regroup. I will take one of the groups of tens and break it up. How many ones do I have now? I will write
- 11 in the box over the ones and cross out the 4 and make it 3."
- T: "Now I will take away 3. How many do I have now?"
- S: will respond, "8."
- T: "Now we need to subtract the tens. What is 3 minus 1? Tell your neighbor."
- S: will turn to their neighbor and say, "3 minus 1 equals 2."
- T: "Show me with your fingers, what is 3 minus 1?"
- S: will show 2 fingers.
- T: "Let me write it. Now, please read the subtraction sentence to your neighbor."
- S: will read the subtraction sentence to their neighbor, "41 13 = 28."
- T: "Good job, today you will only use paper and pencil to subtract two-digit numbers...no cubes today."

Introduction to New Material (Direct Instruction): (7 minutes)

- Pass out whiteboards, erasers and markers.
- Write 71 3 = on the board in a vertical subtraction frame.
- T: "Look at the board, 71 3 = ___. Write the equation on your board."
- S: will write 71 3 on their board.
- T: "What do we do first?"
- T: "Do I subtract ones or tens first?"
- S: will respond, "we subtract the ones first."
- T: "Yes, we subtract the ones first. 2 take away 3. Can we take 3 from 2?"
- S: will respond, "no."
- T: "No we can't. Do we need to regroup?"
- S: will say, "Yes."
- T: "Yes. We need to regroup. I will take one of the groups of tens and break it up. How many ones do I have now? I will write

11 in the box over the ones and cross out the 7 and make it 6."
T: "Now I will take away 3. How many do I have now?"
S: will respond, "8."
T: "Now we need to subtract the tens. What is 6 minus 0? Tell your neighbor."
S: will turn to their neighbor and say, "6 minus 0 equals 6."
T: "Show me your boards." (teacher needs to check the student boards to make sure they are subtracting correctly)
S: will show their boards to the teacher.
T: "Let me write it. Now, please read the subtraction sentence to your neighbor."
S: will read the subtraction sentence to their neighbor, "71 – 3 = 68."
T: "Let's do another, but this one will be 2 two-digit numbers. I will write it on the board, 71 – 23 ="
• Teacher will write 71 – 23 = on the board.
T: "Please write 71 minus 23 on your board."
S: will write 71 – 23 on their boards.
T: "What do you do first when subtracting these numbers? Do you subtract the tens or the ones?"
S: will respond, "we subtract the ones first."
T: "Yes, we subtract the ones first! Look at your ones, do you need to regroup?"
S: will respond, "yes."
T: "You are right, we need to regroup. Please subtract the ones on your board. When you are done subtracting the ones, hide
your board and don't show it until I ask for it."
S: will subtract the ones and hide their boards.
T: "You all have subtracted your ones, you hid your boards, now please show them to me."
S: will show their boards.
Teacher will check the student work.
T: "Good job. I see that you all subtracted the ones. Let's do it together. What is 1 take away 3? Tell your neighbor."
S: will turn to their neighbor and say, "you cannot take 1 from 3, so you need to regroup. 11 take away 3 is 8."
T: "I heard some one say, 'you can't take 3 from 1, you have to regroup. 11 take away 3 is 8. I will write that on the board. I
can't forget to write how many tens are left either."
• The teacher will show the subtraction on the board.
T: "Now what, we have subtracted the ones by regrouping, what do we do next?"
S: will respond, "subtract the tens."
T: "You said we need to subtract the tens, go ahead and subtract the tens. Don't show your board until I ask you to."
S: will subtract the tens.
T: "Show me you boards. Good, 6 take away 2 equals 4. I will write that on the board. As I write it, please read the subtraction
sentence to your neighbor."
S: will say, "71 minus 23 equals 68" to their neighbor.
T: "Read it with me one more time, 71 minus 23 equals 68. Thank you."
Guided Practice: (10 minutes)
Use the modeling cycle:
Teacher Does:
T: "Now I need you to practice with a partner. Each group will be given two sets of cards. One deck of cards will have numbers
50-99 and the other deck will have numbers 10-49. Each of you will draw 1 card and subtract them. I will first show you how it
needs to be done and then you will do it with a partner."
1 Students Does with Teacher:
T: "I need a student to come up and help me."
Teacher will choose a student.
T: "To start with you need to choose a card."
S: will choose a card.
T: "What number is on your card?"
S: will say the number.
T: "Now I will choose a card from the other pile."
Teacher will choose a card.
T: "I chose (the number). Which number is bigger?"
S: will respond by saying the bigger number.
T: "Correct, is bigger, so that number will go on top. You need to be writing this subtraction problem on your boards too."
S: all the students will do the problem as a class on their whiteboards while it is being demonstrated.
Teacher will write the number in the subtraction frame on the board.
reacher will write the number in the subtraction frame on the board.

- T: "What number is smaller?"
- S: will respond with the smaller number.
- T: "You are correct, please write that number underneath the bigger number in the subtraction frame."
- S: will write the smaller number in the subtraction frame.
- T: "Now we need to subtract. What do we do first?"
- S: will respond, "we subtract the ones first."
- T: "Do we need to regroup?"
- S: will respond, "yes" or "no"
- If the problem needs regroup the student will do it, but if not they will only subtract the ones.
- T: "Good job, you subtracted the ones. Now what?"
- S: will respond, "subtract the tens."
- T: "Please go ahead and subtract the tens."
- S: wills subtract the tens.
- T: "Good job, please read the subtraction sentence to me."
- S: will read the subtraction sentence to the class.
- T: "Thank your help. Please take your seat."

2 Students Do:

- T: "Now I need 2 students to come up and demonstrate."
- Teacher will choose 2 students.
- T: "Thank you. I need you each to pick a card, decide which number is bigger and then write it on the board in the subtraction frame. Remember to use your words as you solve the problem."
- S: will each pick a card, write it on the board and solve the problem. They will say the steps of solving the problem as they do so.
- Teacher will guide the students and remind them to use words as they solve the problem.
- T: "You guys have done a really good job! Thank you. Please sit down."

All Students Do:

- T: "Now it is your turn. I will call out the groups and you will need to collect one of these papers and two decks of cards. Then you will begin."
- Teacher will call out the groups.
- S: will work in partners to complete the papers.
- Teacher will walk around the room helping groups as needed.
- T: "10,9,8,7,6,5,4,3,2,1. Time is up. Please turn in your papers, clean up your area and come back to the carpet."
- S: will turn in their papers, clean up their area and sit on the carpet.

Independent Practice: (8 minutes)

- T: "Now it is your turn to work independently. We will do the first guided practice problem together and then you will do the rest of them on your own."
- Write 34 15 on the board.
- T: "Look at the problem on the board. I will first write it in the subtraction frame. Then what do we do?"
- S: will respond, "subtract the ones."
- T: "Yes, first we subtract the ones, tell your neighbor if we need to regroup or not."
- S: will tell their neighbor, "yes, we need to regroup."
- T: "Go ahead and subtract the ones by regrouping."
- S: will subtract the ones.
- T: "Now that we have subtracted the ones, what do we do next?"
- S: will respond, "subtract the tens."
- T: "Please subtract the tens."
- S: will subtract the tens.
- T: "Please show me your boards."
- S: will show the teacher their boards.
- T: "Well done! Read the subtraction sentence to your neighbor."
- S: will read, "34 minus 15 equals 19" to their neighbor.
- T: "Now it is your turn to finish the rest of the problems on the guided practice page. You will have 7 minutes. Then I will collect them."
- Teacher will pass out papers.
- S: will collect their papers and begin their work.
- Teacher will walk around the room helping students as needed.

T: "10,9,8,7,6,5,4,3,2,1. Time is up. Turn in your papers and return to the carpet."

Closing: (2 minutes)

- Make sure all the students still have their whiteboards.
- T: "To finish off today let's do one story problem. As I read it I need you to write it on your board."
- T: "Dan has 72 balls. (give students time to write 72) Josie has 56 balls. (give students time to write 56) How many more marbles does Dan have than Josie?"

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- T: "So, Dan has 72 balls, did you write that at the top of the subtraction problem? And Josie has 56 balls, did you write that below 72? This is how I would write it."
- Teacher will write the equation on the board.
- T: "Now I need you to work with a friend or by yourself and solve 72 minus 56."
- S: will work independently or with a friend to solve the problem.
- After students solve the problem on their own, go through the steps of subtraction and solve it with them.
- T: "Please read the subtraction sentence to your neighbor."
- S: will read the subtraction sentence to their neighbor.
- T: "Good job today!"

Assessment:

Guided Practice