

Opening: (8 minutes)
Prepare a bag with counting cubes of tow different colors.
T: You have been doing so well with subtraction these past few days! Today we are going to look at how subtraction and addition number sentences are related."
"Look at this bag I'm holding. Quickly turn to your partner and tell them what you think is inside this bag."
S: turn to partner and tell them what they imagine could be in the bag.
T: "I'm going to close my eyes, reach into this bag, and grab whatever's inside it. Are you ready?"
Reach inside the bag and grab a handful of counting cubes.
"Wow! Magic counting cubes! I'm going to put all the cubes that are the same color together."
Make two sticks with the two different colors.
"Look at these cubes. I'm going to give you 30 seconds to think of a math story that could go along with these cubes."
S: Will think for 30 seconds
T: "Tell your story to the person sitting across from you."
S: will tell their story
T" Raise your hand if you want to tell me the story you heard"
S: will raise hand and share with the class the story their partner just told them
T: "Those were some really great stories! I heard some about joining, some about separating, some about comparing. I'm going to use my workmat (projected large)." Place cubes in the spaces on the workmat and write the whole in the square above
T: "Now let's figure out what number sentence we could use to match these cubes. You have 30 seconds
to think. Go!"
S: will think of sentences
T: " Let's hear what you came up with. Everyone stand up. When someone writes the sentence you had, sit down. If you still have another way to write it, keep standing." Choose a few students to come up and write their sentence on the board, until no more students are standing.
S: will stand up, sit down when they see the sentence they thought of up on the board
T: (Will depend on what students write) "I see there are four different number sentences up here! Can they all be right? Thumbs up if you think all four of these are correct, down if you don't."
S: will use thumbs to show response
T: Today we are going to learn why all four of these are correct. Each addition sentence has a related subtraction sentence.

Introduction to New Material (Direct Instruction): (7 minutes)
Each student should have two-colored counters and number cards.
T: "Using your counters, your number cards, and the workmat on the top of page 23, show me this number sentence: 5-2=3"
S: will use their workmats and counters and number cards to make that sentence.
On the workmat being projected, place the number card 5 at the top and counters in the correct space
T: "Check to see if yours looks like mine. Sit on your hands. Now don't move anything. Use just you eyes to look and see if you can see an addition sentence. Stick your tongue out when you do.'
Choose someone to share the addition sentence.
T: "Yes. It could be $2+3=5$. Could it also be $3+2=5$ ? Thumbs up if you agree."
S: will use thumbs to agree/disagree
T: "Sit on your hands again and use eyes only to see if you can find another subtraction sentence."
S: will sit on hands and look
T: "Great! Yes. It can also be 5-3=2. Notice how the whole never changes. The number card on top stayed 5 . We're going to write these sentences in the spaces given us on page 23 ."
S write down the addition and subtraction sentences.
Guided Practice: ( 15 minutes)
T: "Now you'll work in partners to do numbers 2 and 3 . Choose a number card. Place the card in the square at the top to show the whole. Work together to decide which parts to use, and put counters on your page to model them. Then write the sentences. If you finish before I clap my hands, you can make up stories to go with the sentences you wrote."
S: will work in partners
Use the modeling cycle:
Teacher Does:
T: " You can see this page (24) is like what you've just been doing, but they put the counters and the number card on the page for you already. All you have to do is write the number sentences to match. Let's do number 1 together."

[^0]
[^0]:    

