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Making 10 on a Te	n-Frame		
Math Standard(s): 1.0A.6, & 1.0A.8 Domain: Operations and Algebraic Thinking			
	Language Objective(s):		
el addition facts within	Students will speak the numbers 1-10 while using a ten-frame to		
	model addition facts with 20.		
acts.	I can speak the numbers 1-10 while doing addition facts to 20.		
	Academic Vocabulary for Word Wall:		
nt ways and	Listen: ten-frame, addend, addition, plus, equals, number		
nces.	sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,14, 15, 16, 17, 18,		
	19, 20		
		Read: plus, equals, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13,14, 15, 16,	
		17, 18, 19, 20	
		Write:	
/)		Speak: ten-frame, addend, addition, plus, equals, number	
		sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13,14, 15, 16, 17, 18, 19,	
	20		
	Additional Lesson Vocabulary:		
4 X	ten-frame, addend, addition, plus, equals, number sentence, 1, 2,		
` / `	3, 4, 5, 6, 7, 8, 9, 10, 12, 13,14, 15, 16, 17, 18, 19, 20		
1	Domain: el addition facts within acts. et ways and aces.	Domain: Operations an Language Object addition facts within Students will so model addition facts. I can speak the Academic Voc Listen: ten-fra sentence, 1, 2, 19, 20 Read: plus, ec 17, 18, 19, 20 Write: Speak: ten-fra sentence, 1, 2, 20 Additional Les ten-frame, add 3, 4, 5, 6, 7, 8,	

Lesson: Making 10 on a Ten-Frame Opening: (2 minutes)

T: "You have learned to use a ten-frame to compare numbers and to add. Today you will use ten-frames to think of addition facts as 10 and some more. Do you like to collect things?"

Instructional Time: 40 minutes

- S: will say "yes."
- T: "What do you collect?"
- S: Answers will vary (stickers, stuffed animals, rocks, dolls, toy cars, etc.).
- T: "What do you put your things in or on when you collect them?"
- S: Answers will vary.

Introduction to New Material (Direct Instruction): (6 minutes)

- •Teacher will draw two ten-frames on the whiteboard.
- •Provide counters, whiteboards, and dry erase markers to the children.
- Have students draw two ten-frames on their whiteboards.
- T: "Suzie collects teddy bears. She puts her teddy bears on shelves. Each shelf holds 10 bears. If she has 8 teddy bears on one shelf and collects 4 more, how many will she have in all? I want you to use your counters and ten-frames to find out. How many bears did I say were on the shelf?" (Demonstrate the story problem by using objects or drawing it on the board.)
- S: will say "8".
- T: "I want you to put 8 counters in your top ten-frame." (model for students)
- •Teacher will draw 8 counters in his/her top ten-frame.
- T: "How many more teddy bears did she collect?"
- S: will say "4".
- T: "I want you to put 4 counters in your bottom ten-frame." (model for students)
- •Teacher will draw 4 counters in his/her bottom ten-frame.
- T: "This shows two groups of bears. Will all of her hears fit on one shelf?"
- S: will say "no."
- T: "How many more can she fit on the first shelf?"
- S: will say "2".
- •The teacher will erase 2 counters from the bottom ten-frame board and draw them on the top ten-frame board.
- Have the students move 2 counters to fill the first ten-frame.
- T: "How many will she put on the next shelf?"
- S: will say "2".
- T: "How many teddy bears does she have altogether?"
- S: will say "12".
- T: "I want you to write 8 + 4 = 12 on your whiteboard. And say to your neighbor, '8 + 4 = 12'."

S: will write 8 + 4 = 12 and say to their neighbor "8 + 4 = 12."
•The teacher will write 8 + 4 = 12 on the whiteboard.
T: "Now what number sentence do your ten-frames show?"
S: will say "10 + 2 = 12."
T: "I want you to write 10 + 2 = 12 on your whiteboard. And say to your neighbor, '10 + 2 = 12'."
S: will write 10 + 2 = 12 and say to their neighbor "10 plus 2 equals 12."
•The teacher will write 10 + 2 = 12 on the whiteboard.
Guided Practice: (15 minutes)
Use the modeling cycle:
Teacher Does:
T: "I am going to draw two ten-frame on my whiteboard again."
Tailing only to draw two ten-frame on my winteboard again. Teacher will draw two ten-frame boards on the whiteboard.
T: "For this activity I am going to use the number cards and these 12 counters. I am going to take all of the number 11 cards out
of the deck. Then I am going to place the cards face down in a pile. I am going to use the number cards to determine the number
of counters I will place on the ten-frame boards."
•Take all of the number 11 cards out of the deck of number cards. Shuffle the number cards and place them face down.
T: "I am going to flip over a number card. This number on this card tells me how many counter I will place on my first ten-frame
board. I drew a So, I will draw counters on my top ten-frame board."
•Teacher flips over the top card in the pile and draws the correct number of counters on the ten-frame board.
T: "I am going to flip over second number card. This number on this card tells me how many counter I will place on my bottom
ten-frame board. I drew a So, I will draw counters on my bottom ten-frame board."
•Teacher flips over the top card in the pile and draws the correct number of counters on the ten-frame board.
T: "I need to fill up my top ten-frame. So, I will move counters from my bottom ten-frame to fill up my top ten-frame."
•The teacher will erase counters from the bottom ten-frame board and draw them on the top ten-frame board.
T: "How many counters do I have altogether?"
S: will say " ".
T: "Now what number sentence do my ten-frames show?"
S: will say " + ="
•The teacher will record this number sentence on the whiteboard.
Students Do with Teacher:
•Erase the counters drawn in the ten-frames on the whiteboard.
T: "I need a student to help me."
• Pick a student to come up and demonstrate the activity with the teacher.
T: "Let's look at another problem. We are going to use the number cards and these 12 connecting cubes again. First, I am going
to flip over a number card. This number on this card tells me how many counter I will place on the top ten-frame board. I drew a
So, I will draw counters on my top ten-frame board."
•Teacher flips over the top card in the pile and draws the correct number of counters on the ten-frame board.
T: "Now, it is your turn to pick a card."
•The student volunteer flips over the top card in the pile.
T: "The number on this card tells you how many counter to place on my bottom ten-frame board. You drew a So, you will
draw counters on my bottom ten-frame board."
•The student volunteer draws the correct number of counters on the ten-frame board.
T: "We need to fill up our top ten-frame. So, we need to move counters from the bottom ten-frame to fill up the top ten-
frame."
•The teacher will erase counters from the bottom ten-frame board and draw them on the top ten-frame board.
T: "How many counters do we have altogether?"
S: will say "".
T: "Now what number sentence do the ten-frames show?"
S: will say " + ="
T: "Please write this number sentence on the whiteboard."
•The student volunteer writes this number sentence on the whiteboard.
T: "Great job! Thanks for helping me."
T: "Great job! Thanks for helping me."

- T: "You two are going to demonstrate this activity for us today. The first thing you two need to do is draw two ten-frames on your whiteboard."
- •One of the student volunteers will draw two ten-frames on the whiteboard.
- T: "Student #1 will turn over the top card in pile and place that many counters on the top ten-frame. Student #2 will turn over the top card in the pile and place that many counters on the bottom ten-frame. Then the two of you will move counters from the bottom ten-frame board to fill up the top ten-frame board. Together you will write a number sentence that matches your ten-frames."
- •Student #1 turns over the top card in pile and place that many counters on the top ten-frame.
- •Student #2 turns over the top card in the pile and place that many counters on the bottom ten-frame.
- •Both students help to move counters from the bottom ten-frame board to fill up the top ten-frame board.
- •Then both students will write a number sentence that matches the ten-frames.
- T: "Thank you for helping. You two may go back to your seats."

All Students Do:

- T: "Now you all know how to do the activity. I am going to separate you into groups of two. When I say your name come up and get a deck of number cards. Then take all or your supplies and find a place to sit with your partner. You will have 5 minutes to do this activity with your partner. When I clap my hands I want your attention on me."
- •Teacher will walk around the classroom as the students do the activity and make sure they are on task.
- T: (Clap to get their attention.) "You have 10 seconds to put your supplies away and sit at the carpet. 10,9,8,7,6,5,4,3,2,1. Good, you all made it."

Independent Practice: (15 minutes)

- T: "Now it is your turn to do it on your own. Each of you will be given this worksheet. Let's do the first problem together."
- Pass out guided practice page 134-135.
- T: "What is the first addend?"
- S: will say "9".
- T: "Place 9 counters on your first ten-frame. What is the second addend?"
- S: will say "3".
- T: "Place 3 counters on your second ten-frame. What does 9 + 3 equal?"
- S: will say "12".
- T: "12 is our sum. So, trace the number 12."
- •Students trace over the number 12.
- T: "The first addend in the second problem on number one is 10.
- S: will say "10".
- T: "Now I want to fill up my first ten-frame board. How many counters do I need to move up to my top ten-frame board?"
- S: will say "2".
- T: "I moved 2 counters. So, I will use a 2 as my second addend. Trace over the 2."
- •Students trace over the number 2.
- T: "What does 10 + 2 equal?"
- S: will say "12".
- T: "Now it is your turn to do problems #2, 3, 4, 5, 6, 7, 8, 9, and 10. You will have 5 minutes, when I clap my hands come back to the carpet."
- •Students will get to work finishing pages 134-135. As they are working independently the teacher will walk around the room asking students to answer questions and check for any misconceptions.
- •Teacher claps hands and students return to the carpet. Do problems 11, 12, and 13 on the problem solving page together.

Closing: (2 minutes)

- •Collect the papers and bring the class together on the floor.
- T: "Let's look at question #8 on page 135. What is the first addend?"
- S: will say "9".
- T: "Place 9 counters on your first ten-frame. What is the second addend?"
- S: will say "3".
- T: "Place 3 counters on your second ten-frame. What does 9 + 3 equal?"
- S: will say "12".
- T: "12 is our sum. So, trace the number 12."
- •Students trace over the number 12.
- T: "The first addend in the second problem on number one is 10.
- S: will say "10".

- T: "Now I want to fill up my first ten-frame board. How many counters do I need to move up to my top ten-frame board?"
- S: will say "2".
- T: "I moved 2 counters. So, I will use a 2 as my second addend. Trace over the 2."
- •Students trace over the number 2.
- T: "What does 10 + 2 equal?"
- S: will say "12".
- T: "Great job today!"

Assessment:

Guided Practice