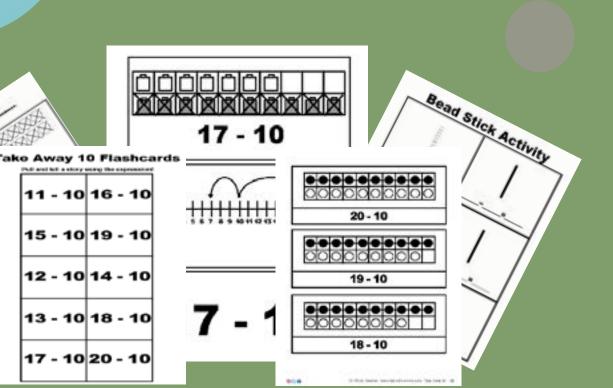


MATH FACT FLUENCY

WORKSTATIONS





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Volume 1



DEDICATED TO MOMAND POPS, ALWAYS



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#### **PREFACE**

### Why I wrote this book

I wrote this Fluency Practice series because I believe that workstations provide a powerful possibility for improving student achievement. Scaffolding curriculum experiences for students to practice in their zone of proximal development is one of the ways that we move student achievement. I wrote this book series specifically to show what it looks like to scaffold fluency workstations at the concrete, pictorial and abstract levels along the learning trajectory for addition and subtraction.

#### How to use this book

Each book is divided into 3 parts: The General Overview, The Activities, The Assessment. This book has all the resources to build the Take Away 10 Workstation. Teachers should print out and laminate a variety of concrete, pictorial and abstract activities. There are many activities to choose from, however it is not necessary to put all of the workstations out at once. There should be a variety of activities though at all times. This book is to be used as part of a fluency journey. Each book in the series focuses on practice activities for a targeted strategy.



#### **OVERVIEW**

### **What Are Differentiated Fluency Workstations?**

A workstation is a space for students to practice what they are learning and what they are supposed to know. They practice in different ways. Sometimes they practice by themselves, sometimes they practice with a partner and other times they practice in a small group. They can play various types of games as well as do different activities and projects. All of the activities should be meaningful, standards-based and rigorous.

A differentiated fluency workstation is a space for students to work on their basic fact fluency. The stations are organized around the learning trajectories for addition and subtraction. Students take an assessment to see where they should begin the work and then they start at that strategy. They spend time doing various activities around a specific strategy and then they take an assessment and if they show proficiency, they move to the next strategy.

Workstations are not busy work. Workstations are not worksheets. Workstations are not supposed to be boring or frustrating. They are spaces to learn, to grow, to be challenged and to stretch. They are familiar. Students should never be at a workstation that they don't understand. Great workstations allow students to solidify their content knowledge and skills through purposeful practice in the student's zone of proximal development (Vygotsky, 1978).

### What does the research say about independent practice?

Teachers must understand the key ideas that their students' need to know and the skills that they must be able to do and how these concepts connect with what came before and what comes next (Ma,1999). Teachers need to not only know what the concepts are but how to best teach them to the students. What are the learning trajectories required to fully understand the concepts and be able to do the math. Ontario Ministry of Education states that the big ideas also act as a 'lens' for: Making instructional decisions; identifying prior learning; looking at students' thinking and understanding in relation to the mathematical concepts addressed in the curriculum; collecting observations and making anecdotal records; providing feedback to students; determining next steps; communicating concepts and providing feedback on student's achievement to parents (p.4).



### Why should students work in their zone of proximal development?

There is a developmental trajectory for learning math facts (Baroody, 2006; Batista, 2016). Instruction should follow it. Too often we jump from one topic to the next without students really ever having time to practice and own mathematical understandings. Differentiating fluency workstations allows students to practice in their appropriate zone so that they understand one concept before they are rushed to the next. Math topics build on each other. We know that you need to know how to do doubles before you do doubles plus 1. However, most textbooks teach these strategies back to back, not really giving the students time to understand, practice or learn much of anything.

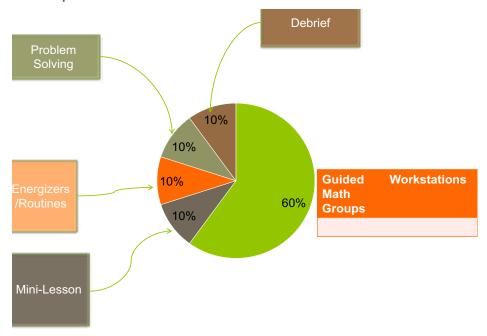
By differentiating the workstations we allow students to practice in their zone (Vygotsky, 1976) and learn the math. The workstations are scaffolded with various concrete, pictorial and then abstract activities so that students have many opportunities to practice different strategies. Van De Walle (2007) told us that we need to give students plenty of different opportuntities to practice. Differentiated workstations provide what Anghilieri (2006) calls responsive guidance. The teacher knows where the student is and then responds to that place in the learning trajectory by providing support at that level. "This guidance requires a range of support for pupils' thought constructions, in a way that develops individual thinking as well as leading to the generation of

mathematically valid understandings." In terms of differentiated math workstations, responsive guidance is about teachers responding to students' stages of understanding through intentional learning opportunities and practice. Teachers scaffold the learning landscapes.



### A QUICK OVERVIEW OF WHEN STUDENTS DO WORKSTATIONS

Workstations can be done as part of a math workshop or they can be done as part of a regular math program that isn't in a workshop format. Either way, the purpose of math workstations is for the students to have an opportunity to do purposeful, meaningful, independent practice. I highly encourage people to do a Math Workshop format. I have written a book on Math Workshop (which details all aspects). In a Math Workshop (see figure 1.2) there are 3 parts.



### **Opening:**

 Energizers and Routines Problem Solving Mini-Lesson

### **Student Activity**

 Math Workstations Guided Math Groups

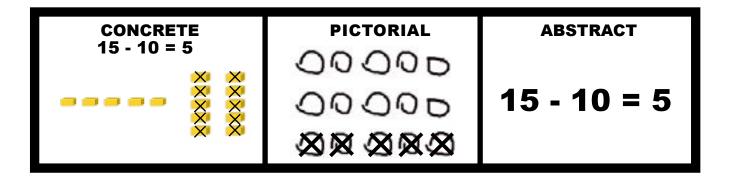
#### **Debrief**

Discussion Exit Slip



### What do they look like?

Scaffolded workstations are organized according to the learning trajectories. They have 3 components, concrete, pictorial and abstract activities.



### How do you manage them?

The fluency workstation is one of the 4 must have workstations (fluency, place value, word problems and the current unit of study). Students visit these workstations in a workstation rotation. It depends how many minutes the math block is on how many rotations are done in a day or a week. There are many ways that teachers build schedules. There can be schedules that are written on chart paper or digitally. Digital schedules allow for the teacher to have an ongoing record of what is happening as well quickly make adjustments. Also, the digital timer can be right there on the screen. Look here for ideas: https://www.pinterest.com/drnicki7/math-workshop-scheduleboards/

### How do you know who goes where?

The only way to decide who goes where is to actually give a fluency assessment so that you know where the students practice level is going to be. This could be a Math Running Record or a 2 color probe. A Math Running Record is like a Fluency GPS. It is given at the beginning, middle and end of the year to find the fluency levels of the students. Find out more about Math Running Records here: https://mathrunningrecords.com



#### What is the role of assessment?

Assessment is the linchpin to scaffolding fluency instruction. We have to know where students are currently working at in order to correctly scaffold where they go next. In the beginning of the year teachers should give a fluency assessment in order to start students off with the right strategy work. After every strategy unit, students are given a quiz and a quick oral assessment. Throughout the unit, the teacher confers with students and takes anecdotals.



### How do you make sure that students are accountable to the learning?

It is really important to have accountability measures so that you know what the students are doing. Oftentimes this is a recording sheet. Other times, students just write down in their journals the work they are doing. Here are some examples of the recording sheets.

TWENTY FRAME	NUMBER BRACELET	CUBE MATH
=	=	=

### How do you keep track?

You should have a sheet to know which stations students are currently working on and also which ones they have completed. Teachers want to have individual data about the workstations, class data about the workstation and it is also good to look at grade data about the workstations. Some workstations should be used throughout the grade level so that there is consistency across the grade in terms of the content that students are exposed to. Grade Level teachers should decide what is going to be done across the grade for the workstation by everyone and then what is free choice. Everybody has the basics and then they can add on to that as they choose. For example, it is important to be able to discuss fluency across different data sets and how different activities are impacting student achievement levels. So having agreed upon practice experiences benefits everyone in the grade.

### Class Snapshot

	Subtracting 0 and 1	Subtracting within 5 and from 5	Subtracting within 10	Subtracting from 10	Subtracting a number from itself	Subtracting lower doubles	Subtracting 10 from a teen number	Subtracting the ones from a teen number	Subtracting half facts	Subtracting by bridging 7, 8, and 9	Subtracting within 20	Subtracting from 20
Luke												
Tom												
Maritza												

#### WHAT IS THE ROLE OF PARENTS/GUARDIANS?

### **Helping Parents/Guardians Help Their Students**

Parents play a key role in fluency. Parents need to know what the landscape of learning looks like and where their child is on that landscape. Parents need to know what is the next step and how they can best help their child to achieve that.

Dear Parent,

Your child is working on the Take Away 10 Math strategy. With this strategy your child will be focusing on counting back 10. They should realize that taking away a number is just 10 less. We have sent home a rekenrek (a type of counting rack), flashcards and a boardgame. Please work with your child by acting out the problems on the rekenrek, by working with first the visual flashcards and then the regular flashcards and by playing the boardgame. As we are working towards grade level fluency, we go through the cycle of concrete, pictorial and abstract learning so that students can learn their facts.

#### Math Note:

The math research tells us that fluency has 4 components: accuracy, flexibility, efficiency and appropriate strategy selection. With intentional, purposeful practice, automaticity will come.

### **Take Away 10**

**Big Ideas**: Take Away 10 is a subtraction strategy when working with 1,2 or 3. **Enduring Understanding**: There are a variety of strategies for subtraction. **Essential Questions:** How can the Take Away 10 strategy help us to subtract?



TAKE AWAY 10 ACTIVITIES					
Concrete Activities Pick 3	Pictorial Activities Pick 3	Abstract Activities Pick 3			
Flashcard Ten Frame Build It!	Flashcard Ten Frame Draw it!	Flashcard Ten Frame Write the Equation!			
<b>Cube Tower</b> Build It!	<b>Cube Tower</b> Draw it!	<b>Cube Tower</b> Write the Equation!			
<b>Bead Stick Addition</b> Build It!	<b>Bead Stick Addition</b> Draw it Facts!	<b>Bead Stick Addition</b> Write the Equation!			
Part-Part Whole Mats Build It!	Part-Part Whole Mats Build it and Draw it!	Part-Part Whole Mats Write the Equation!			
<b>Story Mats</b> Act it out!	<b>Story Mats</b> Draw a picture!	<b>Story Mats</b> Write the Equation!			
Number Bond Adding Machine Build It!	Number Bond Adding Machine Draw it!	Number Bond Adding Machine Write the Equation!			
<b>Domino, Count and Sort</b> Build it Domino Facts!	<b>Domino</b> Draw a fact!	<b>Domino</b> Write the Equation!			
More Activities					
Give Quiz A or Quiz B Give a quick performance test and interview (ask the students to model, show and tell you some of the take away 10 facts)					



# **Ten Frame Activity**

#### Goal

Students focus on taking away 10.

### **Way to Play**

Students pick a flashcard and model it on a twenty frame.

#### **Materials**

Scaffolded Flashcards Unscaffolded flashcards

### **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Twenty frame flashcards Set B: Regular Flashcards

# **Directions**

### **Activity 1**

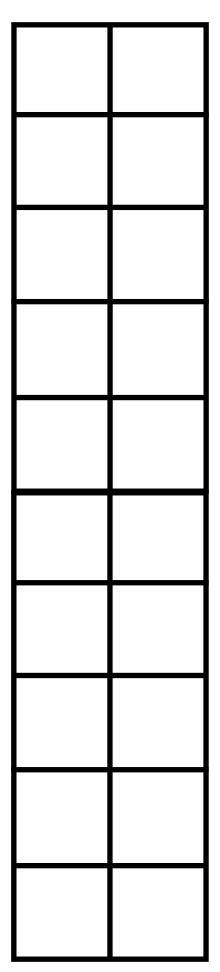
Pull a flashcard. Model it on the twenty frame. Record it on the recording sheet. Explain using math words below.

### **Activity 2**

Pull a flashcard. Solve.

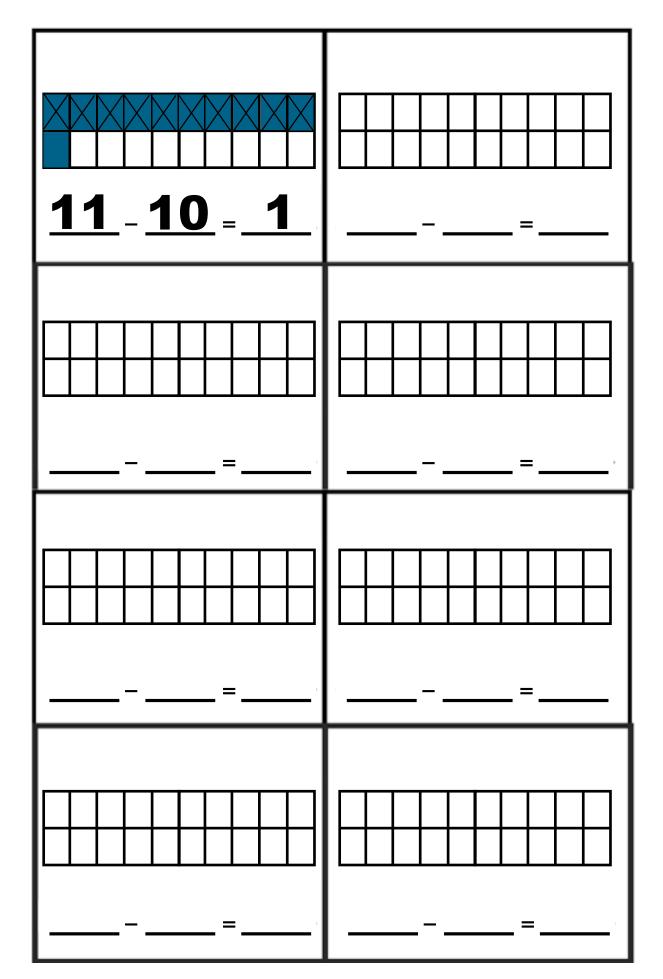
**Use your math words:** My problem was \_\_. I subtracted 10 from \_\_. My difference is \_\_\_. I noticed



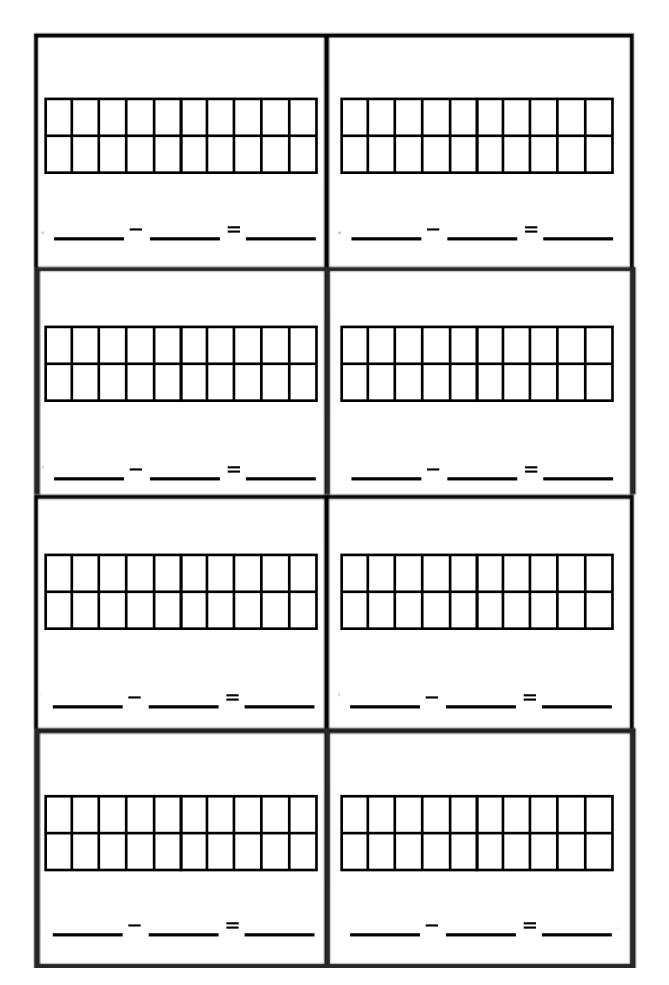










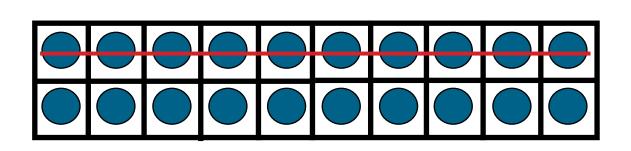




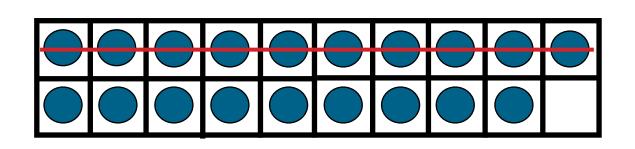
# **TAKE AWAY 10 FACTS FLASHCARDS**

20-10	19-10
18-10	17-10
16-10	15-10
14-10	13-10
12-10	11 - 10

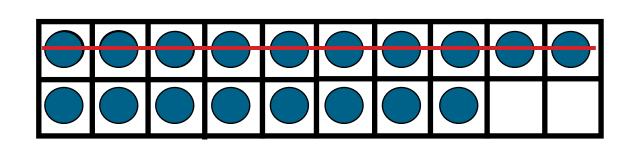




20 - 10

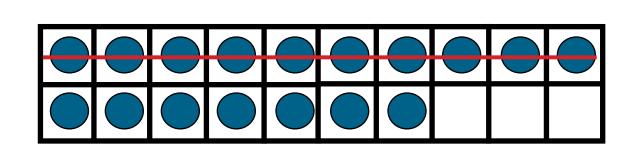


19 - 10

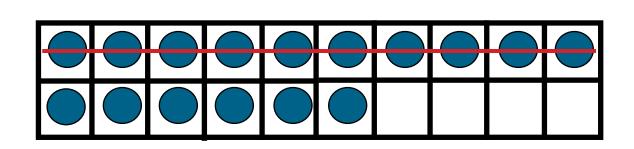


18 - 10

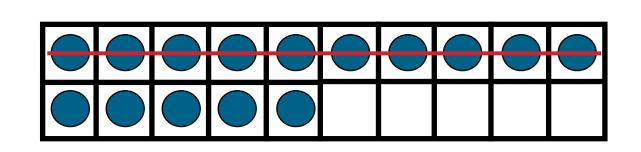




**17 - 10** 

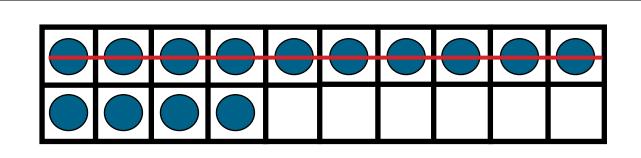


16 - 10

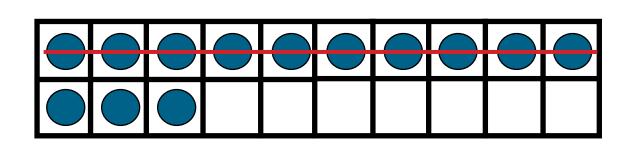


15 - 10

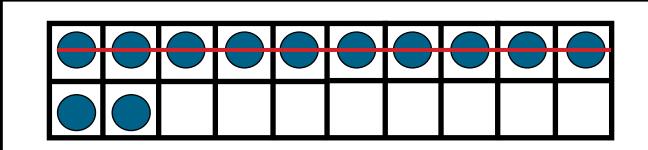




14 - 10

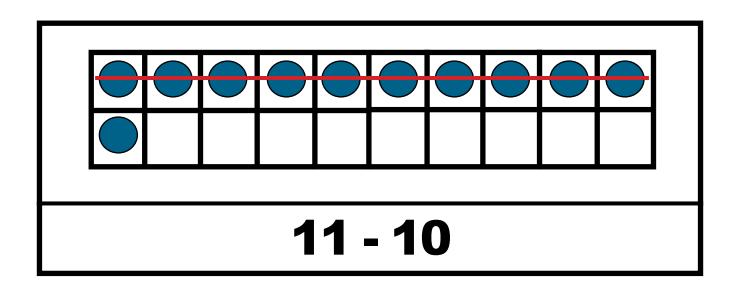


13 - 10



12 - 10







# **Number Bracelets**

#### Goal

Students focus on taking away 10.

### **Way to Play**

Model the problem on the number bracelet.

#### **Materials**

**Number Bracelet** Number Bracelet Paper **Flashcards** 

### **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Take Away 10 Facts modeled on 10 frame flashcards. Set B: Regular Take away 10 Flashcards.

# **Directions**

### **Activity 1**

Pull a flashcard. Take out the number bracelet and build the take away 10 fact. Record on recording sheet. Explain using math words.

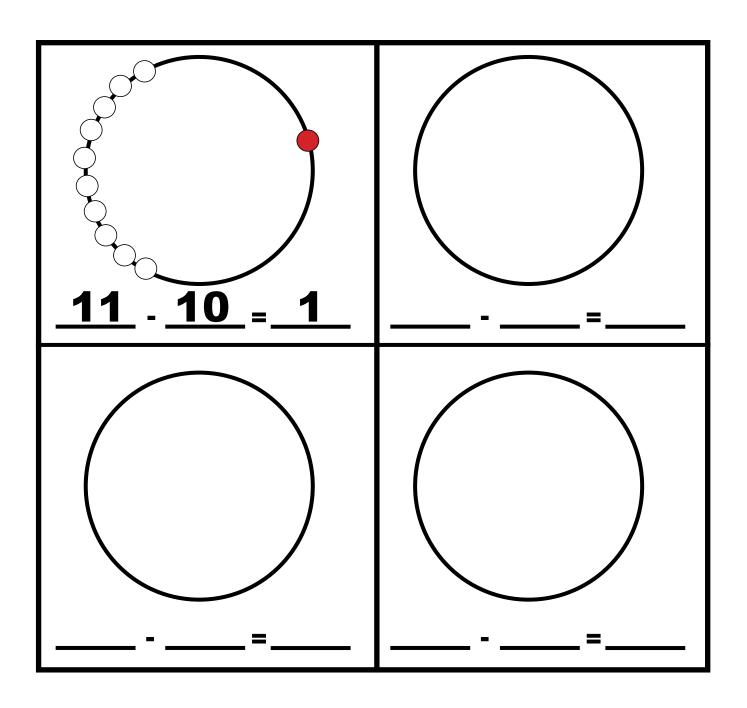
### **Activity 2**

Students make up their own problems and act them out on the number bracelet.

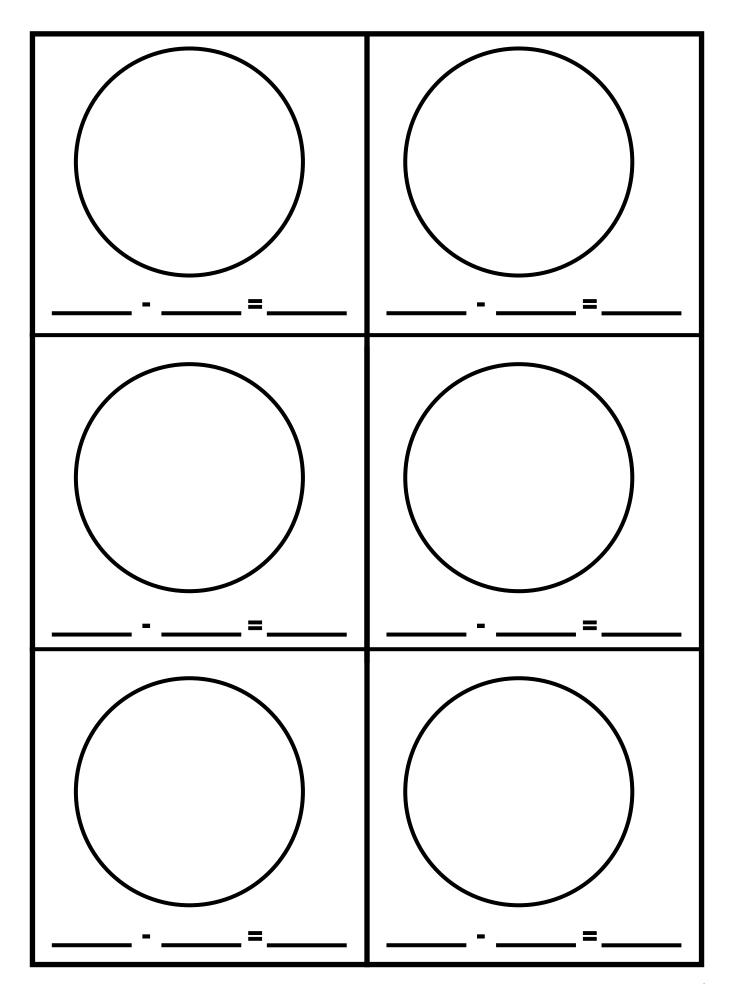
**Use your math words:** My problem was \_\_. I subtracted 10 from \_\_. My difference is \_\_\_.



# **Number Bracelets to Show Take Away 10**









# **Cube Towers and Number Lines**

#### Goal

Students focus on taking away 10.

### Way to Play

Model the problem with a cube stick. Record thinking on the cube stick template.

#### **Materials**

Cube Stick Template/ Recording Sheet Concentration Cards

### **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Cube flashcards Set B: Regular Flashcards

# **Directions**

### **Activity 1**

Pull a flashcard. Model it with cubes. Color the cube template. Solve. Explain using math words.

### **Activity 2**

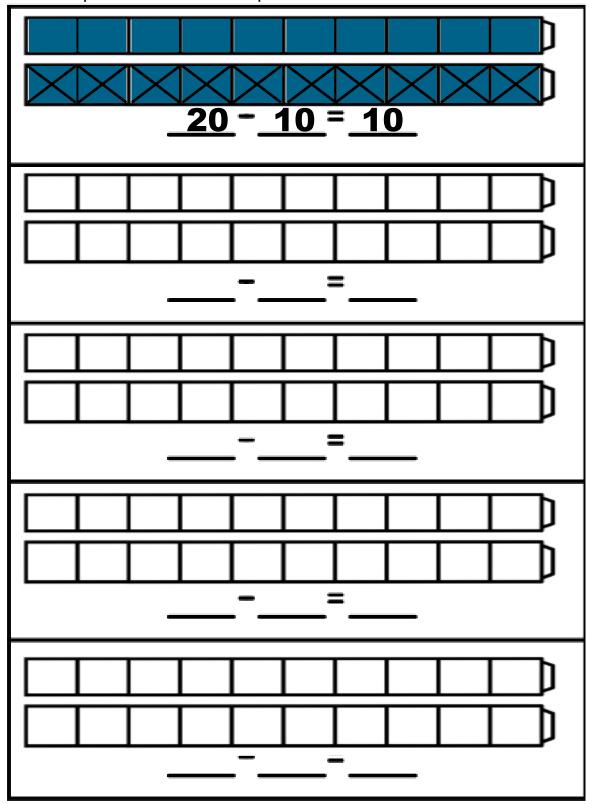
Lay out the cube cards and expressions from the Concentration Cards. (Fold so you do not see the expression on the cube card.) Take turns looking for the match of the expression and the model. Whoever finds the most matches wins. Check your answers by unfolding the cube cards. Option 2: Play "How do you see it?" Use the concentration cards. Explain how you see the subtraction on the different models.

**Use your math words:** My problem was \_\_. I subtracted 10 from \_\_. My difference is \_\_\_.



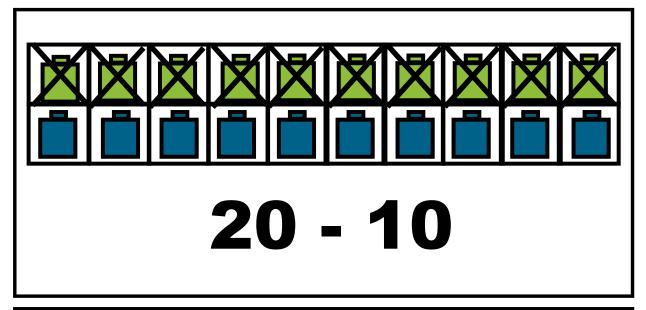
## Model a Take Away 10 strategy with the cubes!

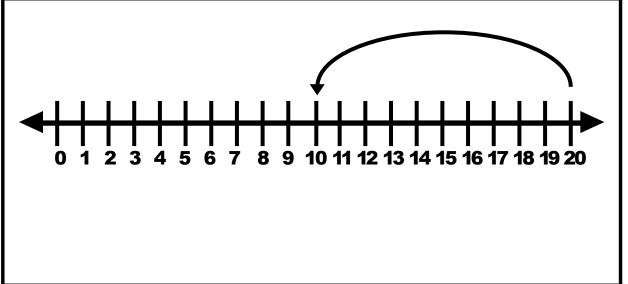
Roll the dice or pull a card, build a cube tower of the fact. Color the cube template and write the equation.



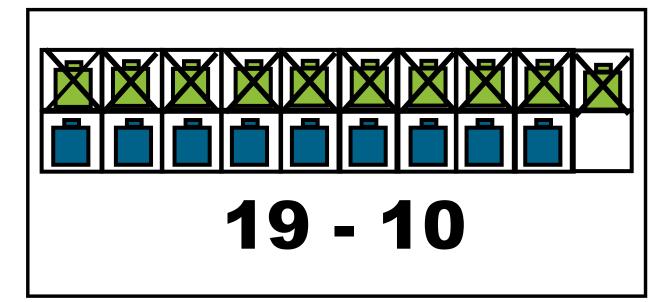


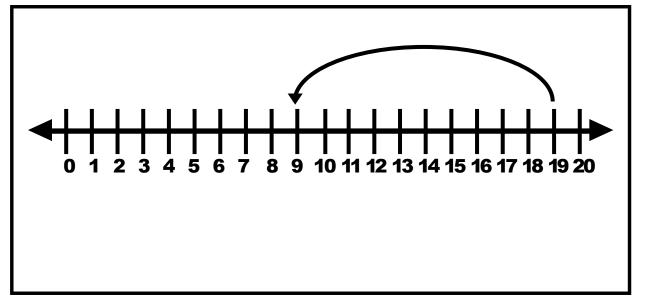
### **Concentration Cards** What do you notice?



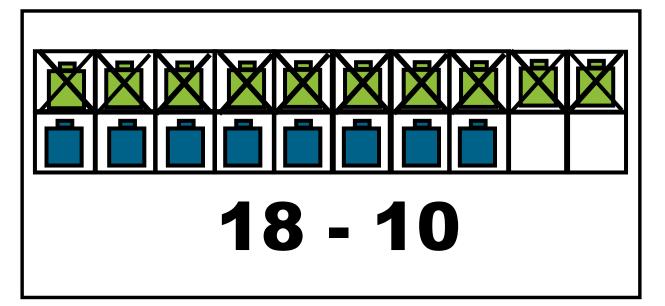


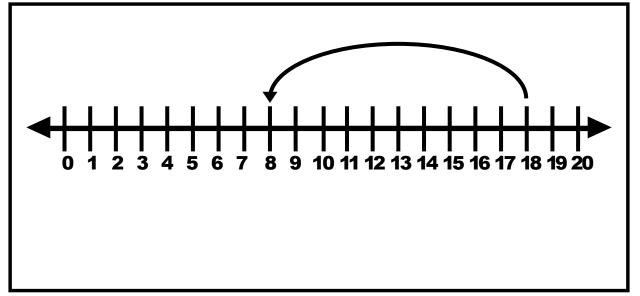




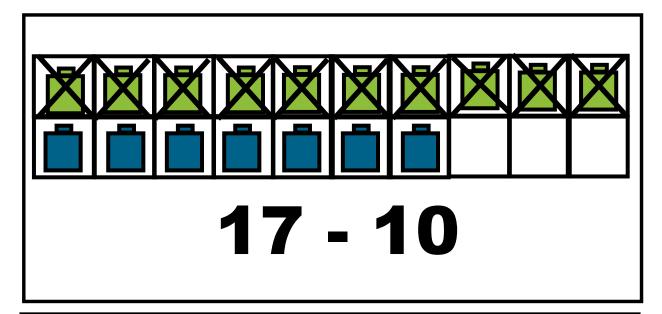


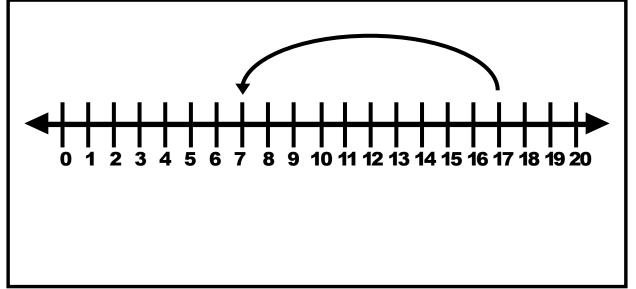




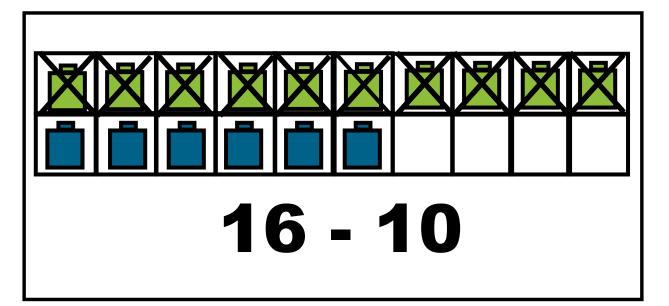


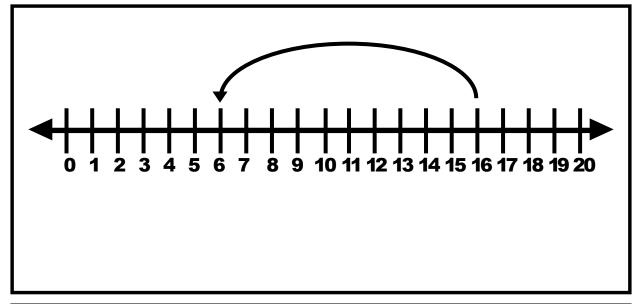




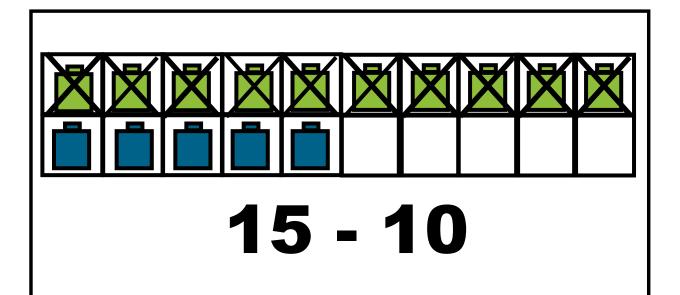


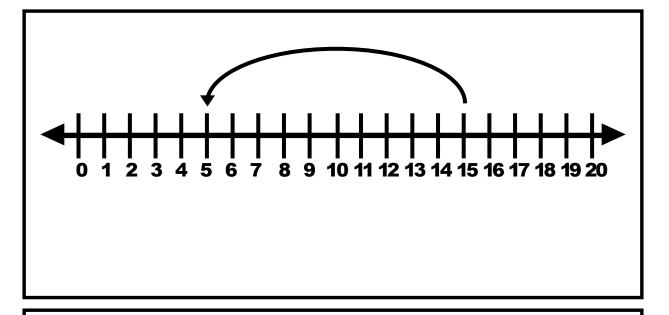




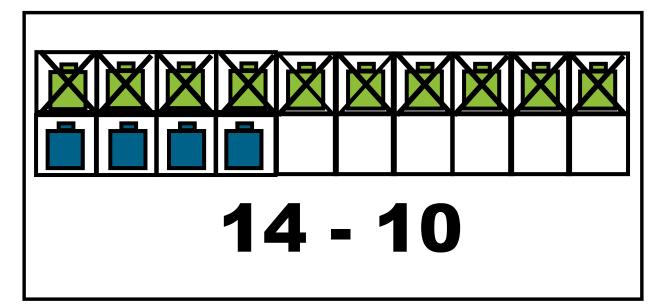


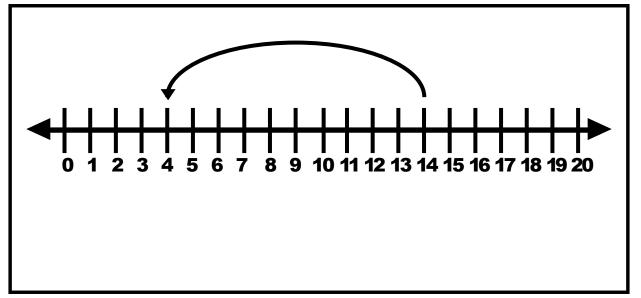




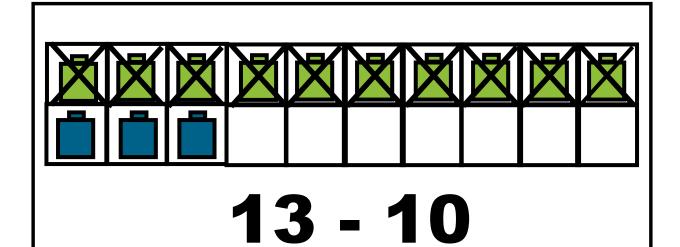


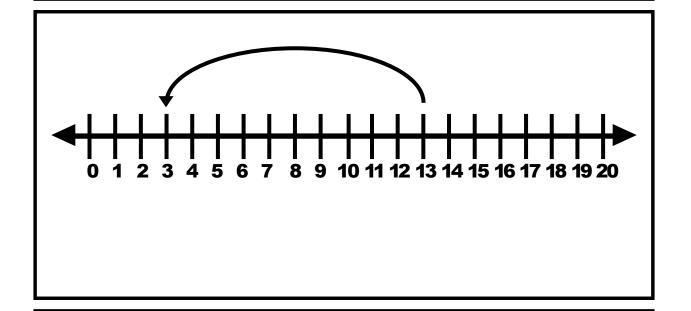




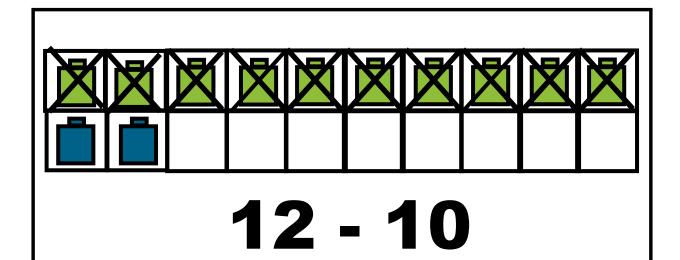


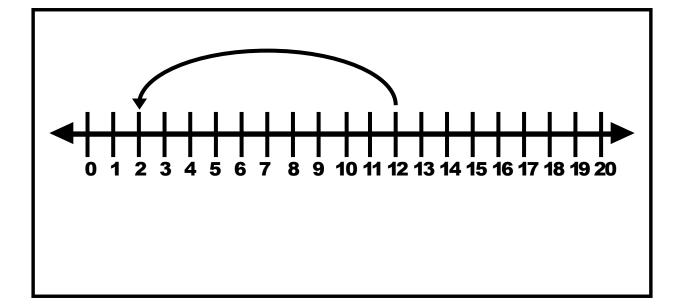






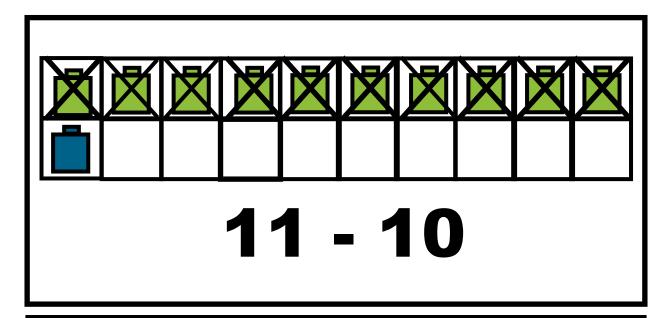


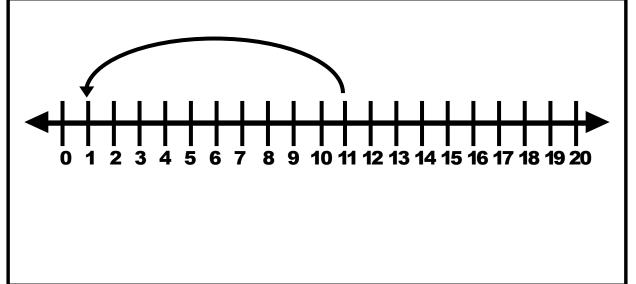




12 - 10









## **Bead Stick**

#### Goal

Students focus on taking away 10.

#### **Way to Play**

Model the problem with a bead stick. Record thinking on the bead stick template.

#### **Materials**

Bead Stick **Bead Stick Template** 

### **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Bead Stick Flashcards Set B: Regular Flashcards.

## **Directions**

## **Activity 1**

Pull a flashcard. Model it with the bead stick. Color the bead stick template. Solve. Explain using math words.

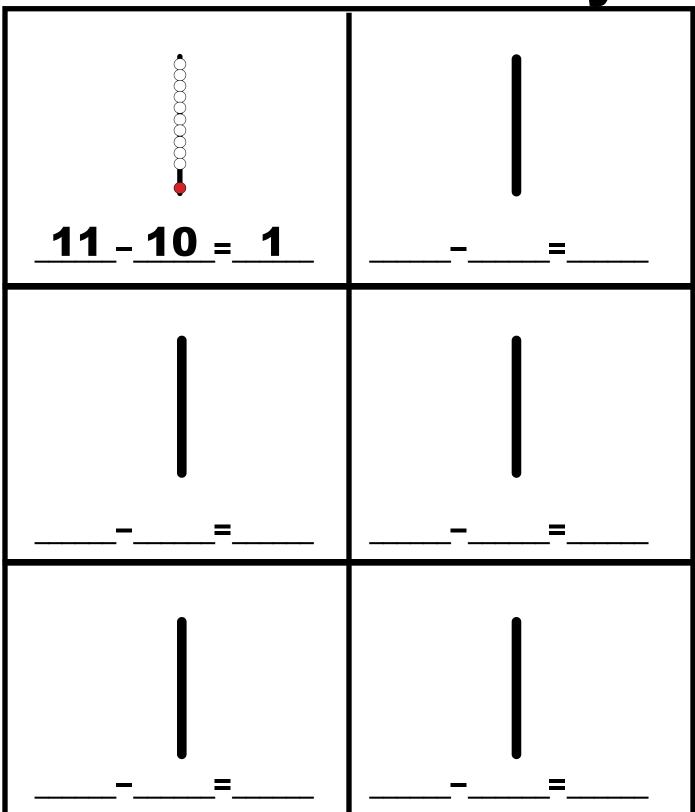
#### **Activity 2**

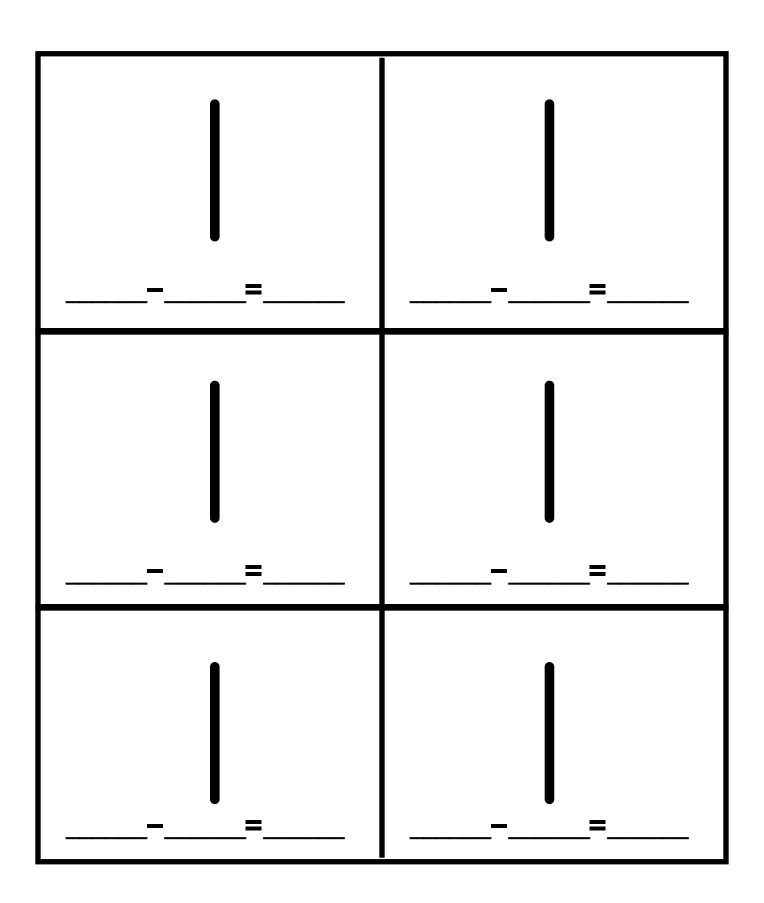
Lay out the bead stick cards (from Activity sheet). Fold the equations so you can not see them. Lay out the flashcards (p. 20). Take turns looking for the match of the bead stick and expression. Unfold the bead stick cards to check your answers. Whoever finds the most matches wins.

Use your math words: My problem was \_\_\_\_. I subtracted \_\_\_\_ minus 10. My difference is \_\_\_\_.



# **Bead Stick Activity**







## **Part Part Whole Mat**

#### Goal

Students focus on taking away 10.

#### **Way to Play**

Model the problem with a Part-Part Whole Mat. Record thinking on the template.

#### **Materials**

Large Part-Part Whole Mat Part-Part Whole Template/ **Recording Sheet Concentration Cards** 

## **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Part-Part Whole flashcards Set B: Regular Flashcards.

## **Directions**

## **Activity 1**

Pull a flashcard. Model it on the big Part-Part Whole mat. Solve. Explain using math words.

## **Activity 2**

Make up your own take away 10 problems. Show it on the part-part whole mat. Record and explain using math words below.

**Use your math words:** My problem was \_\_\_\_. I subtracted \_\_\_\_. My difference is ......



# **Part Part Whole Mat**

Whole <u>20 - 10 = 10</u> **20** part part <u>10 = 20 - 10</u> 10 10 Whole part part Whole part part

<b>-</b> =	Wh	
= <b>=</b>	part	part
<b>=</b> =	Wh	ole
=	part	part
= =	Wh	ole
= -	part	part
==	Wh	ole

# **Part Part Whole Mat**

Whole part part

## **Story Mats**

#### Goal

Students focus on taking away 10.

#### **Way to Play**

Act out facts on the number mat. Students can pull a fact card and act out the problem. They can pull a story telling card and act out the problem. They can just make up their own problems.

#### **Materials**

Story Mats Story Telling pieces **Flashcards** Story problems

#### Scaffolding the Game

Use the regular flashcards or the word problem mats. (To add some rigor, use set B from p. 68 and change up the word

problems.)

## **Directions**

## **Activity 1**

Pull a flashcard and act out the story.

## **Activity 2**

Pull a story card and a flashcard and act out the story. (Use the flashcard to fill in the blanks of the story.)

**Use your math words:** My problem was \_\_\_\_. I subtracted \_\_\_\_ minus 10. My difference is . .



## **Story Card DOGS**

Rea ha does sl				ne ga	ve	_ awa	ay. H	ow m	any
SET-		<b>EQ</b> = ?		ION	l:				
Drawin	g								
					_		_		_
Twer	ity F	rame	<b>—</b>						
Answe	er E	quati	on		Ans	wer:			
   <b>-</b> -	_ =						Dogs	6	



## **Story Card**

## **FISH**

are le				3v	vaiii	away	y. 110	••••••	· y
SET	-UP	<b>EQ</b> ! = ?	UAT	ION	<b>i:</b>				
Drawi	ng								
Twe	enty F								
Answ	er Ed	uatio	on		Ans	wer:			
_		1 -	-				<b>-:</b> -b		
<b>-</b>	= .						Fish		



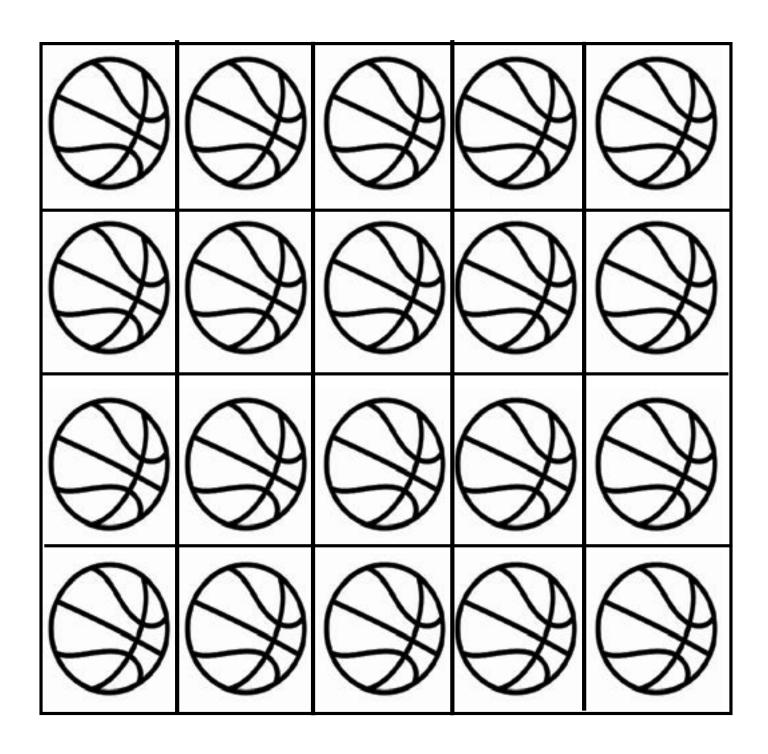
## **Story Card BALLS**

The kids ha			iey lo	st	_ bal	ls. Ho	<b>ow</b>
SET-UP	EQUA = ?	\TION	l: 				
Drawing							
Twenty F	rame						
Answer Ed	uation		Ans	wer:			
=					Balls	•	

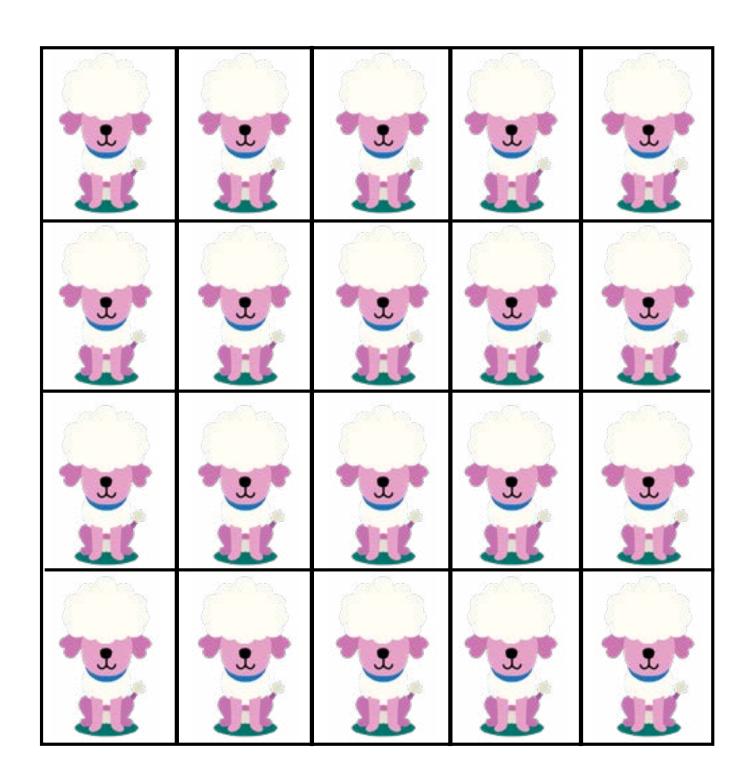


# **STORYTELLING MATS**

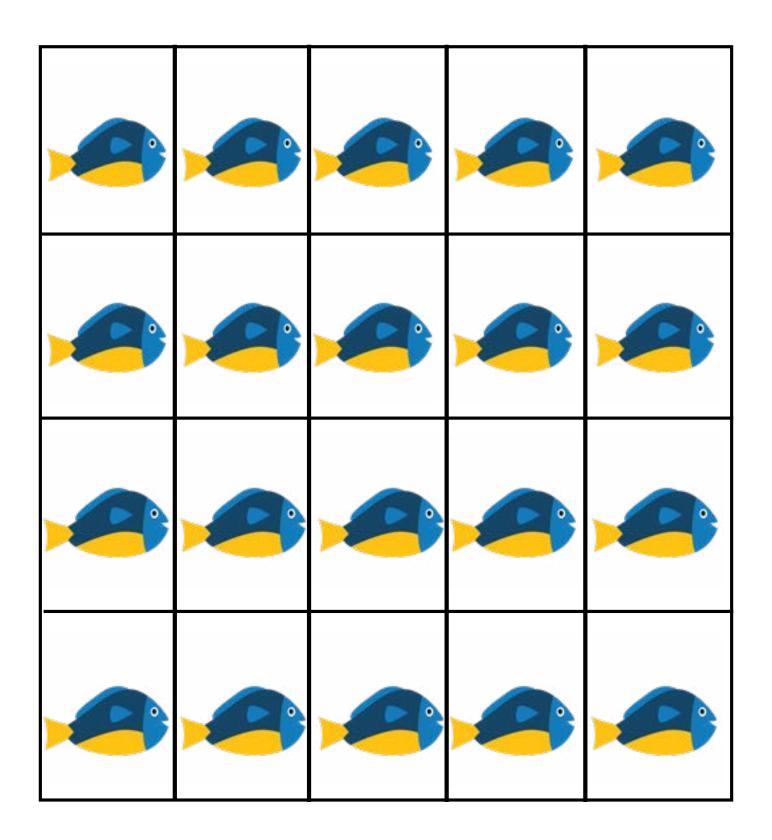
Pull a flashcard and act it out on the story mat. Draw a picture of your story. Write the equation.



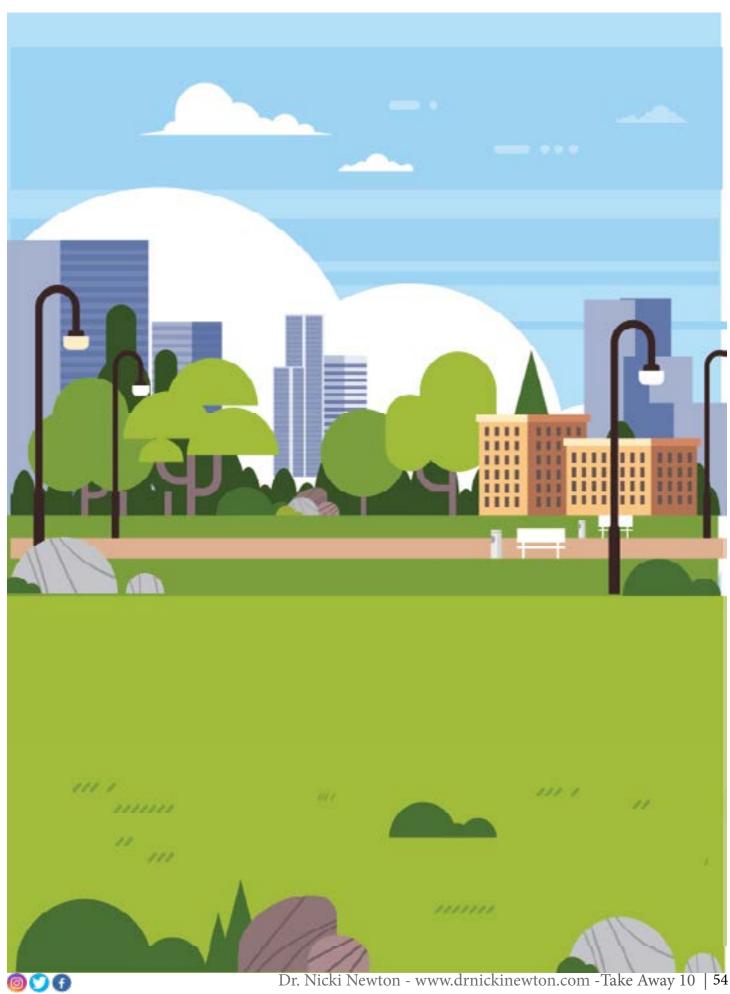


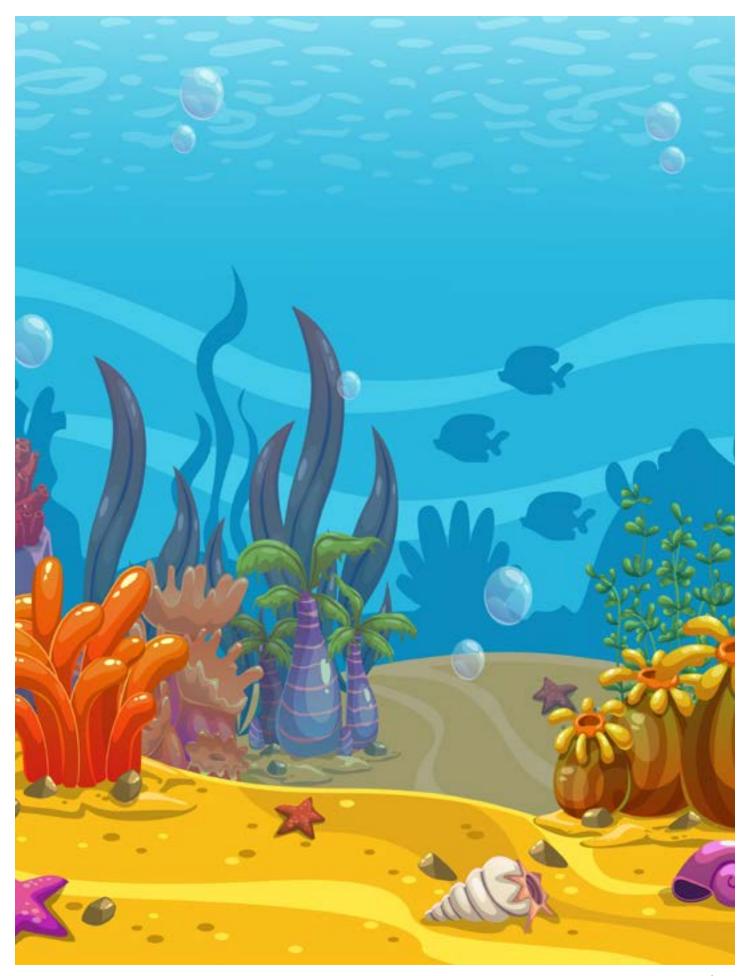














# **Take Away 10 Flashcards**

Pull and tell a story using the expression!





		Dr	aw a p	icture	of yo	ur stoi	<b>Г</b> У-			
			Writ	te you	r equa	tion.				
		_			=	=				
			Show	it on ti	e twe	enty fr	ame.			
			<u> </u>			l	l	<u> </u>	<u> </u>	J
		M	odel it	on the	numl	ber lin	e.			
	<b>←</b>	+++	+++	+++	+++	+++	+++	<b>⊢</b>		
	0	1 2 3	4 5 6	7 8 9 1	10 11 12 ·	13 14 15	16 17 18 ·	19 20		

## **Draw a picture**

#### Goal

Students focus on take away 10.

#### **Activity**

Student will pick a card and draw a picture.

#### **Materials**

Picture template and Recording sheet

## **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Flashcards with pictures. Set B: Regular flashcards.

## **Directions**

## **Activity 1**

Pull a flashcard. Draw the picture using circles or a number line. Explain using math words

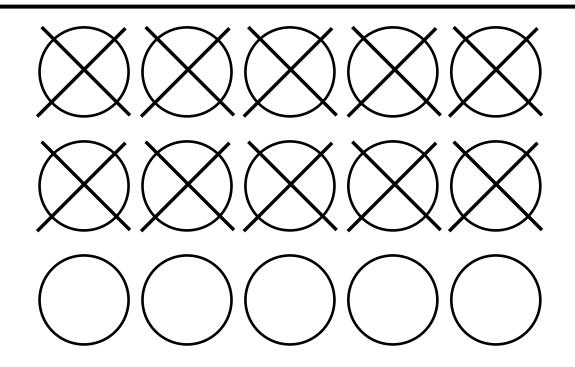
## **Activity 2**

Pull a picture flashcard and say the number sentence to your partner. Explain using your words below.

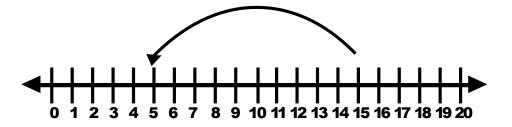
**Use your math words:** My problem was \_\_\_\_. I subtracted \_\_\_ minus 10. My difference is \_\_\_\_.



# **Draw a picture**



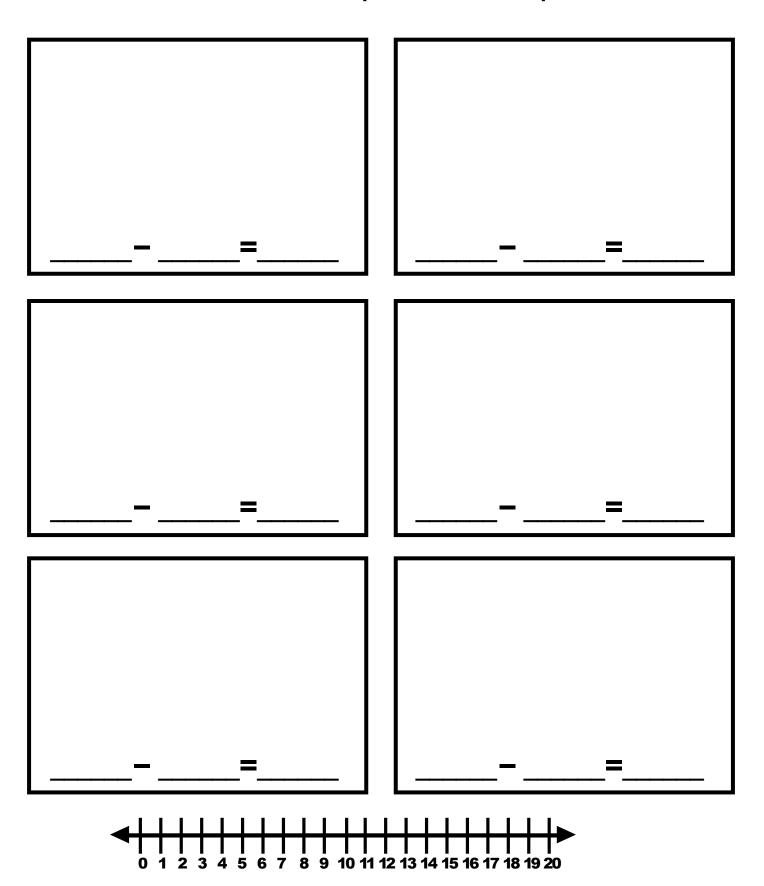
You can jump back on the number line





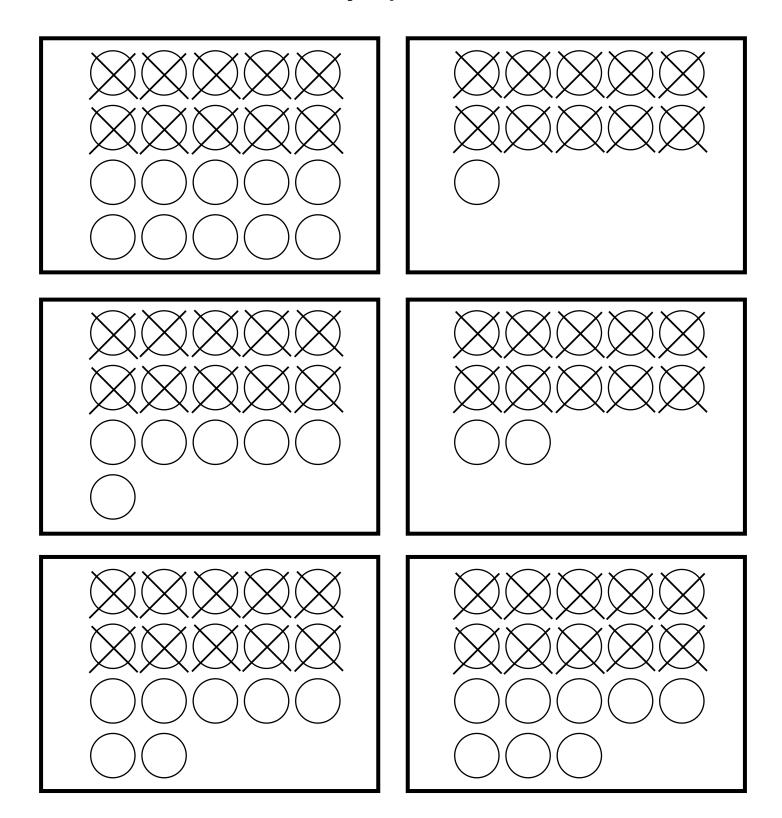
## **Picture Flashcards**

Pull a card. Illustrate the problem. Write the equation.



## **Picture Flashcards**

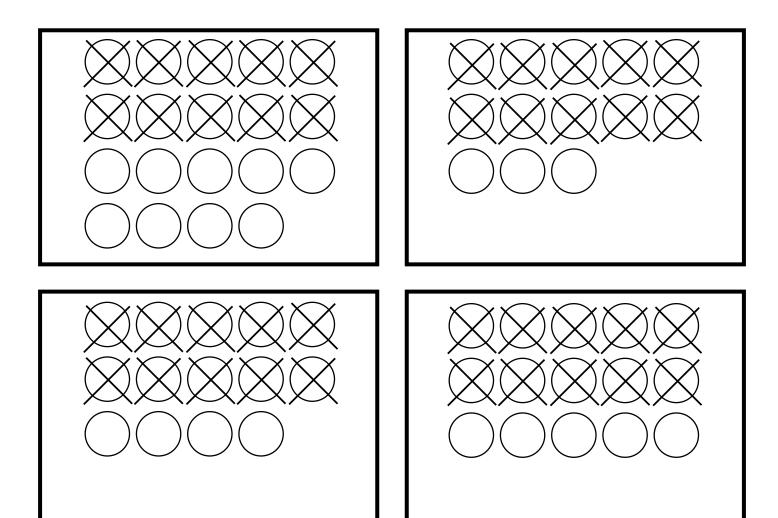
Pull a flashcard and tell your partner the number sentence.





## **Picture Flashcards**

Pull a flashcard and tell your partner the number sentence.

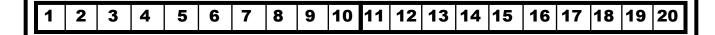




#### **GAMEBOARD** Take away 10 Instructions: Roll the dice. Move and solve the problem. Whoever reaches the end first wins! • • START START 16 - 10 16 - 10 13 - 10 13 - 10 19 - 10 15 -10 7/1/ 18 - 10 15 - 10 19 - 10 11/ 14 - 10 18 - 10 11/1/ 14 - 10 12 - 10 11/1 12 - 10 11/1/ 16 - 10 13 - 10 19 - 10 15 - 10 14 - 10 11-10 12 - 10 16 - 10 W 19 - 10 14 - 10 11-10 19 - 10 15 - 10 13 - 10 12 - 10 111/1/ 19 - 10 11-10 11-10 111 11 111 13 - 10 13 - 10 11/ VIII 14 - 10 19 - 10 16 - 10 18 - 10 **FINISH** 15 - 10 11-10 14 - 10 15 - 10 19 - 10 16 - 10 18 - 10 11/1/ FINISH 11-10 11/1 5 12 13 14 15 16 17 18 19 20 7 8 9 10 11 Gigglenook 2021 6

# Model the facts

# **Model it on the Double Ten Frame Model it on the Number Path**





Draw a picture showing a Take Away 10 fact
Write some Take Away 10 facts



## **Flashcards**

#### Goal

Students focus on taking away 10.

#### Way to Play

Students place all cards face down. They take turns turning over the cards. Whoever has the largest difference wins those cards. When all the cards are gone, whoever has the most cards wins. They can also model using a ten frame or number line.

#### **Materials**

Flashcards

## **Scaffolding the Game**

There are 2 sets of flashcards. Set A: Regular Flashcards Set B: Missing Number Flashcards

## **Directions**

## **Activity 1**

Pull a flashcard. Model it on the number line. Say the problem out loud. Explain using math words.

## **Activity 2**

Students make up their own take away 10 problems on the number line.

**Use your math words:** My problem was \_\_\_\_. I took 10 from \_\_\_\_. My difference is \_\_\_\_\_.



# SET A

Take Away 10

Take Away 10

20 - 10 =

14 - 10 =

16 - 10 =

**17 - 10 =** 

12 - 10 =

11 - 10 =

13 - 10 =

18 - 10 =

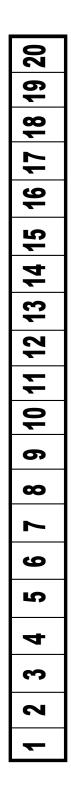
**15 - 10 =** 

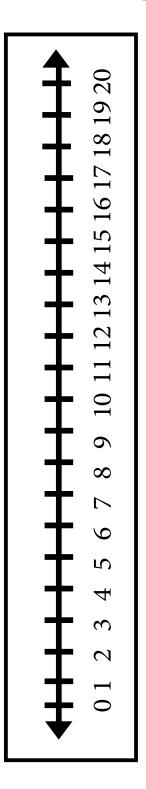
19 - 10 =

# **SET B**



## Use the number line or number path if you need help!







#### **GAMEBOARD**

## **Superhero Take Away 10 Facts**

Directions: Pull a flashcard to see who goes first. Each player should have their own color marker to cover the spaces. The person with the highest number goes first. Pull a number card. See number cards below. You have the answer. Find an expression that matches that difference. Whoever gets 4 in a row wins.

11 - 10	19-10	12-10	14-10
12-10	18-10	15-10	16-10
17-10	13-10	20-10	18-10
13-10	20-10	14-10	11-10
17-10	11-10	19-10	17-10





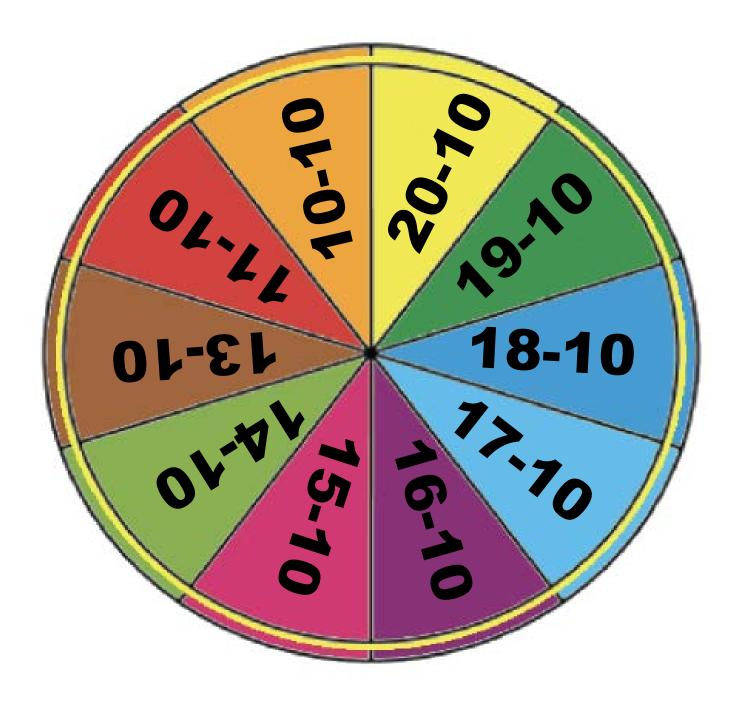
## **DIFFERENCE CARDS**



#### **GAMEBOARD**

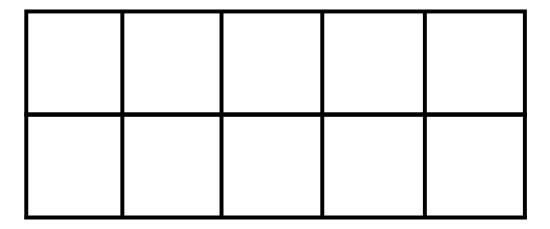
## **SPINNER GAME**

Each partner spins and solves the problem. Whoever gets the largest difference gets a counter. Keep track of the score in the ten frame. Whoever gets 10 counters first wins.

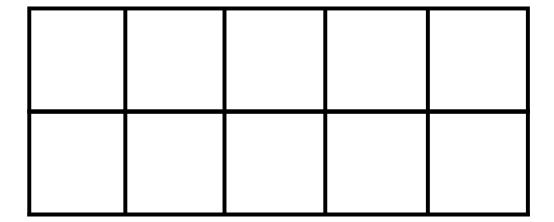




# PARTNER A



# PARTNER B





### **GAMEBOARD**

Use Set A and/or set B Flashcards. Players get the same number of cards. Play war. Each player writes his/her equation on his/her side. Write > or < to compare the equation.

Player 1	Compare your equations with a symbol: < = >	Player 2
=		=
=		=_
=		=_





# **BUMP GAME**



Take Away 10







Use the number cards. Pull a card. Whoever has the highest number goes first. Player 1 pulls a card and finds the expression for that difference and covers it up. If player 2 pulls an expression for the same difference, they can bump player 1 off. If a player has 2 cubes on a space they have captured the space. Whoever captures the most spaces wins.

# **DIFFERENCE CARDS**



# **EXPRESSION CARDS**

11 - 10	18-10	16-10	14-10
12-10	19-10	17 - 10	<b>15-10</b>
13 - 10	15-10	12-10	20 - 10
19-10	17 - 10	16-10	11 - 10
14-10	13 - 10	18 - 10	15-10
16-10	19-10	17 - 10	12-10



#### **GAMEBOARD**

Use the expression cards. Pull a card. Whoever has the largest difference goes first. Take turns pulling an expression card and covering up the difference on your board. Whoever covers up all the numbers on their side first wins.

1	Cover it up!	1
2	it up:	2
3_		3
4		4
5		5
6		6
7		7
8		8
9		9
10 PLAYER 1		10 PLAYER 2



## **Take Away 10 Quiz**

## **Match the expression** and the difference!

4

8

6

16 - 10

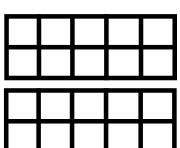
18 - 10

14 - 10

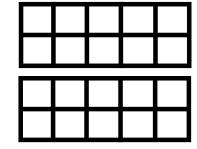
**15 - 10** 

13 - 10

## **Model a Take Away 10**



**Show 15 - 10** 



#### Solve:

Leti had 16 candies. She gave 10 away. How many does she have left?

## Make the equation true.

7 = 17 -

1 = 11 -

Performance (	Performance Quiz and Oral Interview	nterview
1. What are Take Away 10 Facts?	2. Can you pick a flashcard and model one for me frame?	3. Can you pick a flashcard and model one for number path or number path or number line?
4. Model this: Joe had 18 toy cars. He gave his brother 10. How many does he have left?	5. Show the students a few flashcards to see how they solve the problems.	6. What is easy and what is tricky about learning the Take Away 10 facts?



		_				 	_			
Subtracting within 20										
Take away a number from itself										
Subtracting the ones from a teen number										
Count back 10										
Take away 10										
Subtracting within 10										
Difference of 1 or 2										
Subtracting within 5										
Take away										
Take away 0										
Students										