

NATH FACT FLUENCY

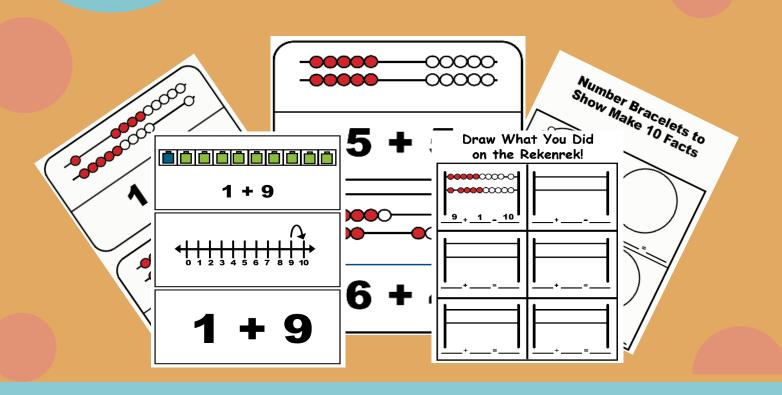
WORKSTATIONS







#13 MAKE 10



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Chief Operating Officer: Dr. Nicki Newton Publisher: Newton Education Solutions

Cover Design: Dr. Nicki Newton Text Design and Composition: Staff Printed in the United States of America

Volume 1



DEDICATED TO MOM AND 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 Make 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?

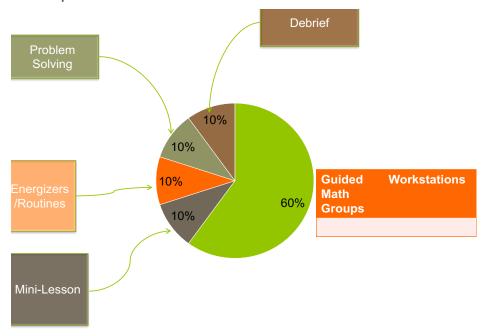
There is a developmental trajectory for learning math facts (Baroody, 2006; Batista, 2016). Instruction should follow it. Too often we jump from one topic to the next without students really ever having time to practice and own mathematical understandings. Differentiating fluency workstations allows 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

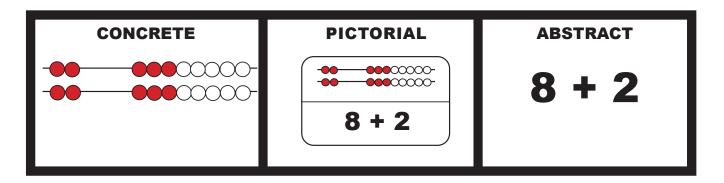
Debrief

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



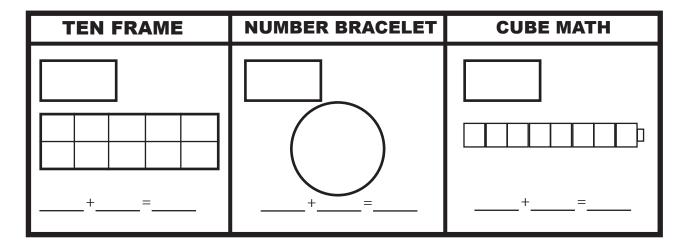
What is the role of assessment?

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 guiz and a guick 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.



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

	Adding Zero/One	Counting On	Adding within 5/ Make 5	Adding within 10/ Make 10	Adding 10	Make 10	Doubles		Bridging 10	Adding Higher Facts	Review
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 make ten facts. With this strategy your child is learning all the number combinations that make 10. We have sent home flashcards and a game board that focus on this idea. 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.

Make Ten

Big Ideas: Make 10 helps students to learn all the numbers that make 10. Ten is a benchmark number that we use often.

Enduring Understanding: There are a variety of strategies for addition. Essential Questions: How do make 10 facts help us to add better?



MAKE 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!				
Number Bracelet Build It!	Number Bracelet Draw it!	Number Bracelet Write the Equation!				
Rekenrek Build It!	Rekenrek Draw it!	Rekenrek Write the Equation!				
Cube Tower Build It!	Cube Tower Draw it!	Cube Tower Write the Equation!				
Bead Stick Addition Build It!	Bead Stick Addition Draw it Facts!	Bead Stick Addition Write the Equation!				
Part-Part Whole Mat Build It!	Part-Part Whole Mat Build it and Draw it!	Part-Part Whole Mat Write the Equation!				
Story Mats Act it out!	Story Mats Draw a picture!	Story Mats Write the Equation!				
Number Bond Adding Machine Build It!	Number Bond Adding Machine Draw it!	Number Bond Adding Machine Write the Equation!				
Domino, Count and Sort Build it Domino Facts!	Domino Draw a fact!	Domino 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 Make 10, facts)						

Give a quick performance test and interview (ask the students to model, show and tell you some of the Make 10 facts).



Ten Frame Activity

Goal

Students practice make ten facts

Way to Play

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

Materials

Scaffolded Flashcards Unscaffolded flashcards

Scaffolding the Game

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

Directions

Activity 1

Pull a flashcard. Model it on the ten frame. Record it on the recording sheet. Explain using your math words. (see below)

Activity 2

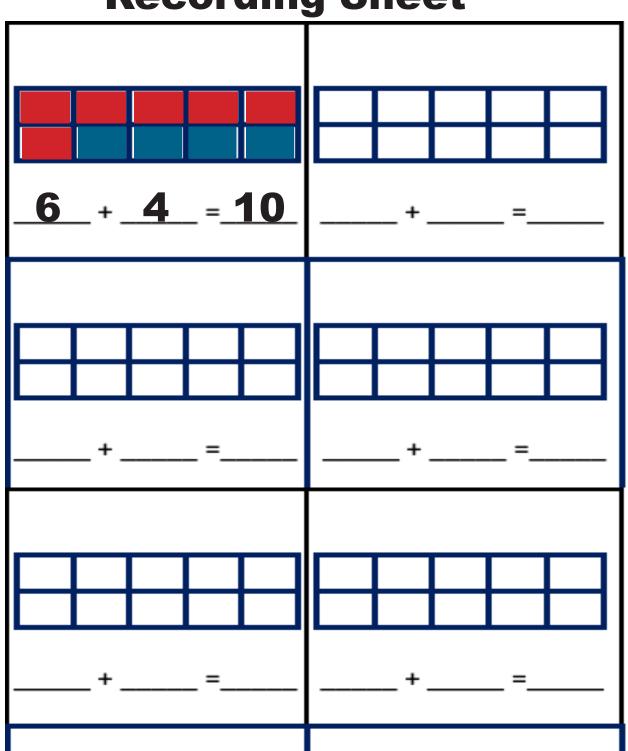
Pull a ten frame flashcard. Use math words to explain the problem and how you solved it.

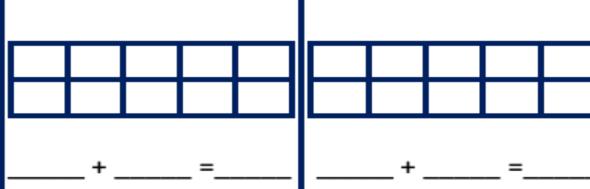
Use your math words: My problem was ____. I added ____ and then ____ more. My sum is 10.

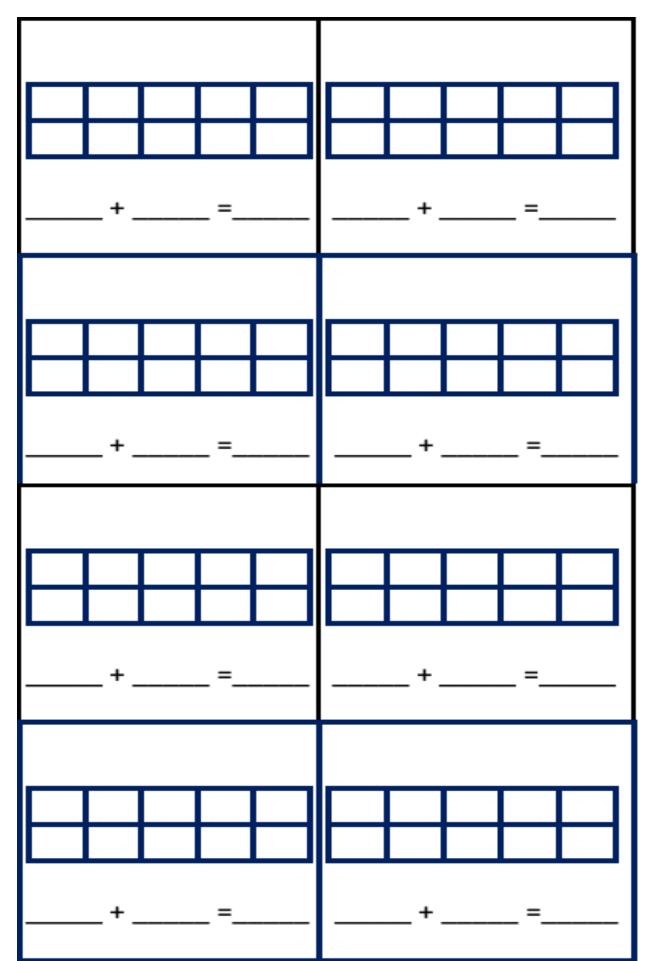




Recording Sheet







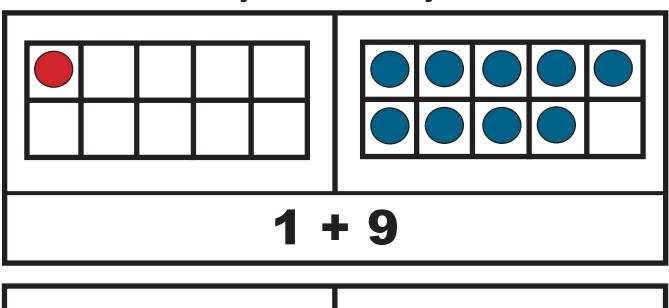
MAKE TEN FLASHCARDS

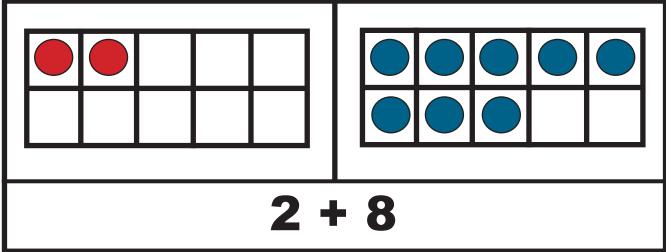
1	+	9	2	+	8	3	+	7
5	+	5	6	+	4	7	+	3
4	+	6	8	+	2	9	+	1
10) +	• 0	0	+ ′	10			

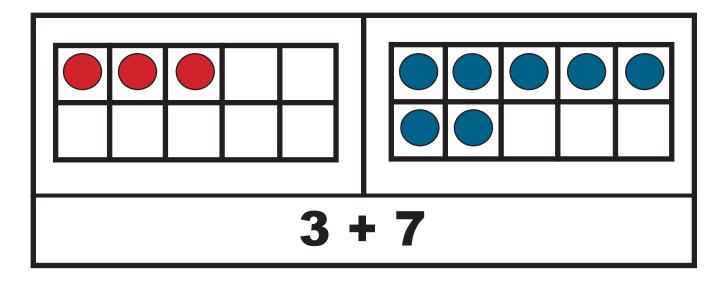


Ten Frame Flashcards

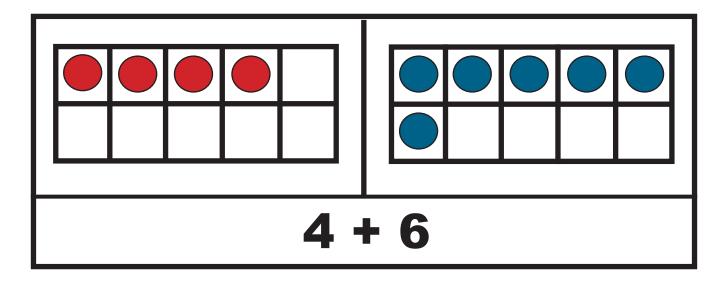
What do you see? How do you see it?

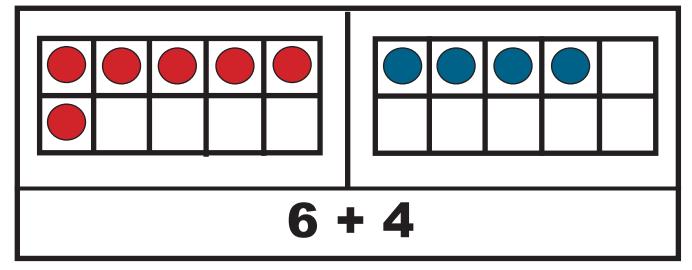


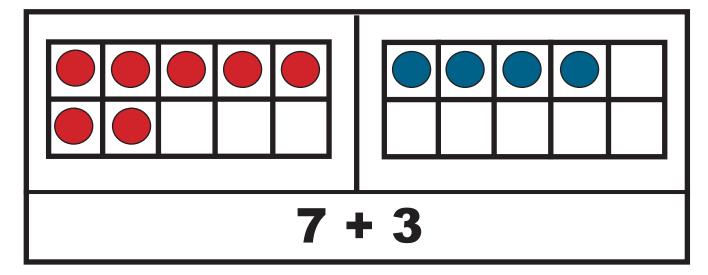




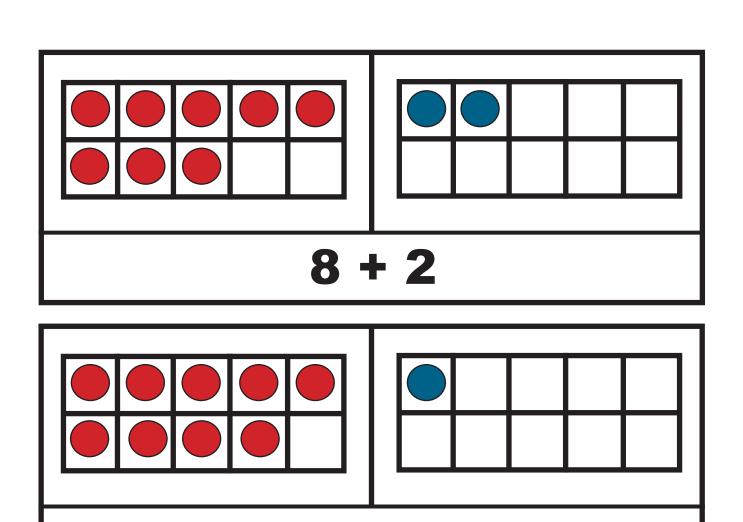


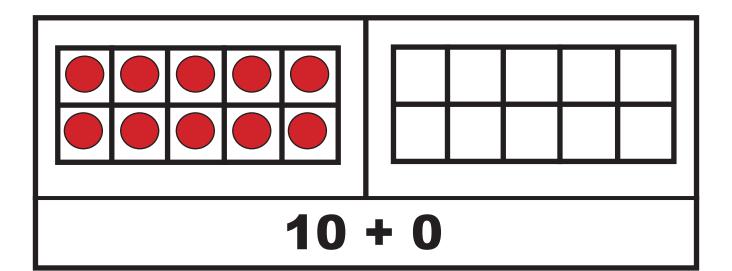














Number Bracelets

Goal

Students practice make ten facts

Way to Play

Students need to make number bracelets out of pony beads and pipe cleaners. Model the problem on the number bracelet.

Materials

Number Bracelet Number Bracelet Recording Sheets **Flashcards**

Scaffolding the Game

There are 2 sets of flashcards. Set A:Number Bracelet flashcards that students make.

Set B:Regular flashcards. (p. 20) Set C: Missing addend flashcards (p. 87)

Directions

Activity 1

Pull a flashcard. Take out the number bracelet and build the make 10 fact. Explain your work using your math words. (See below)

Activity 2

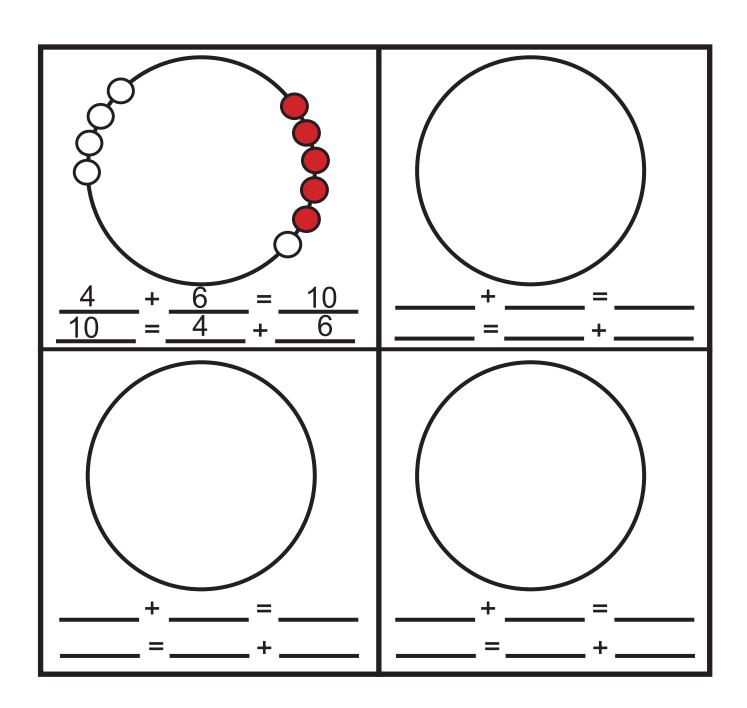
Students make up their own make 10 problems. Act them out on the number bracelet, then draw their number bracelet model on the recording sheet. (This will be the number bracelet flashcards.)

	Use your math	words:	
My problem was _	I added	and then	more.
	My sum is		

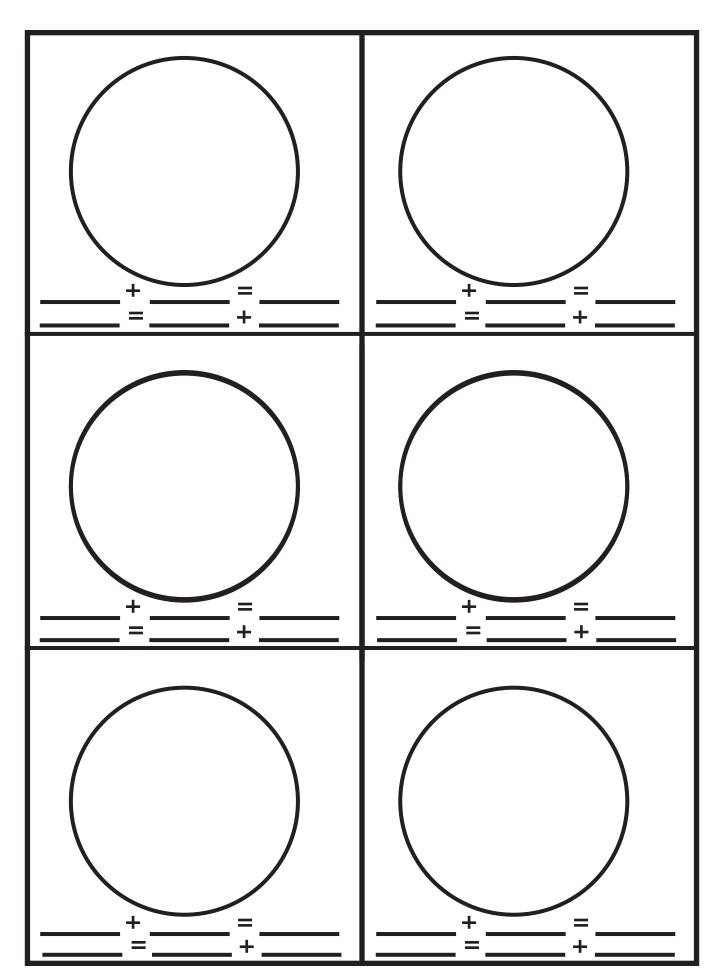


Recording Sheet

Number Bracelets to Show Make 10 Facts









Rekenrek

Goal

Students practice make ten facts

Way to Play

Model the problem on the rekenrek.

Materials

Rekenrek Rekenrek Paper Flashcards

Scaffolding the Game

There are 2 sets of flashcards. Set A: Rekenrek flashcards. Set B: Regular Make Ten flashcards (p.20)

Directions

Activity 1

Pull a flashcard. (You may choose between Rekenrek picture flashcards or regular Make 10 flashcards on p. 20.) Build the fact on the rekenrek. Say the problem out loud (See 'use your math words at the bottom of the page.')

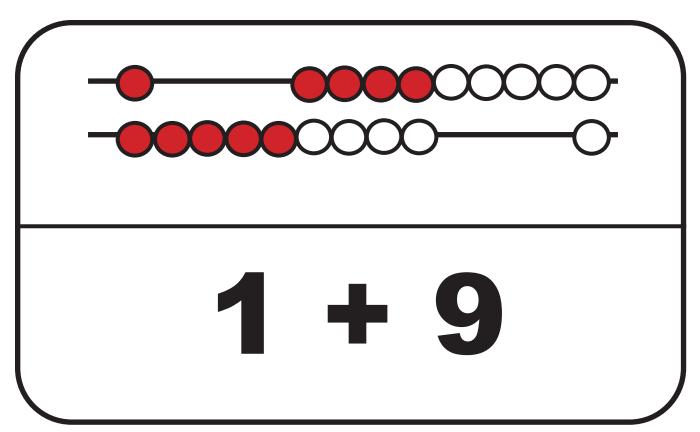
Activity 2

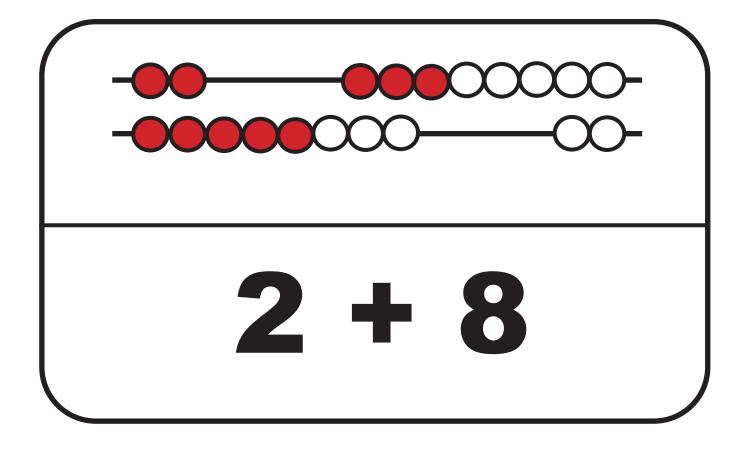
Draw the fact on the rekenrek recording sheet

Use your math words: My problem was _____. I added _____ and then ____ more. My sum is ____.

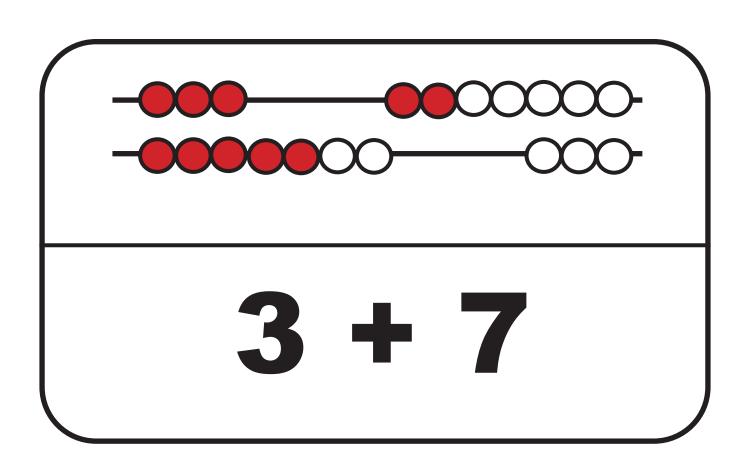


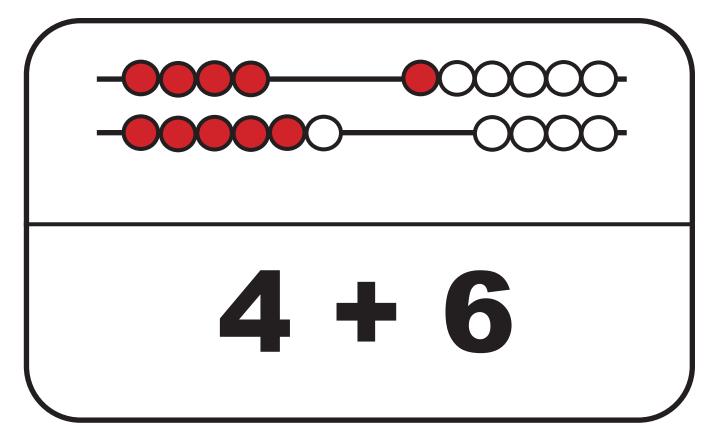
Rekenrek Picture Flashcards



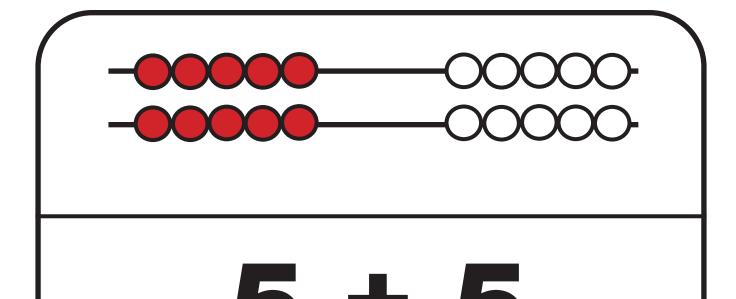


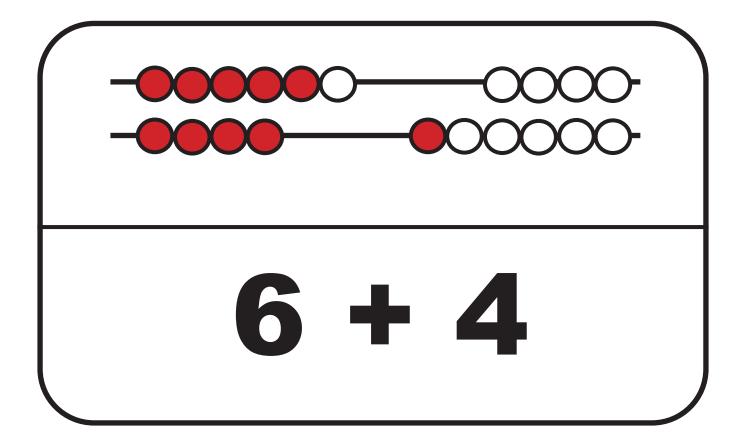




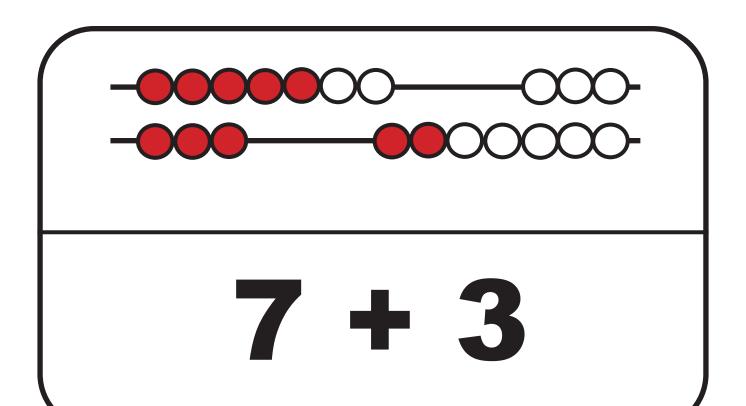


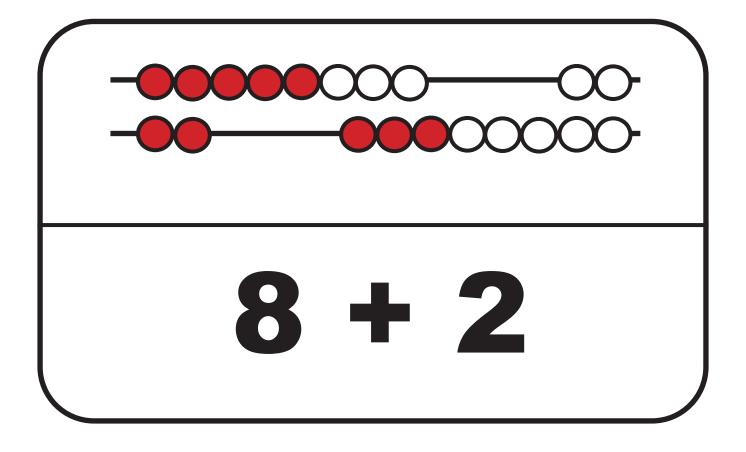




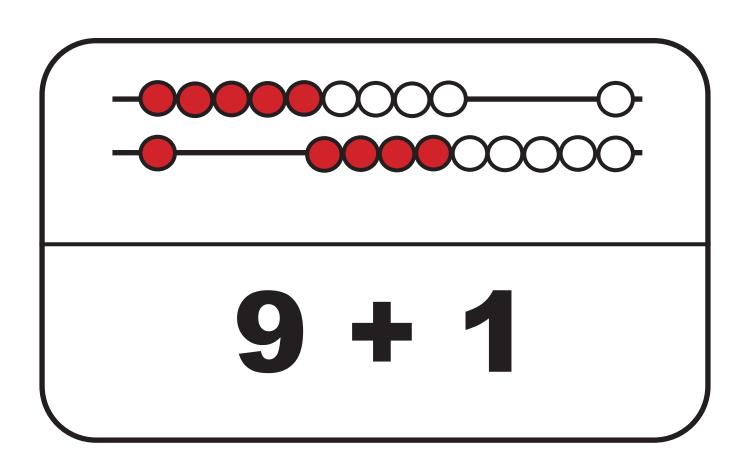


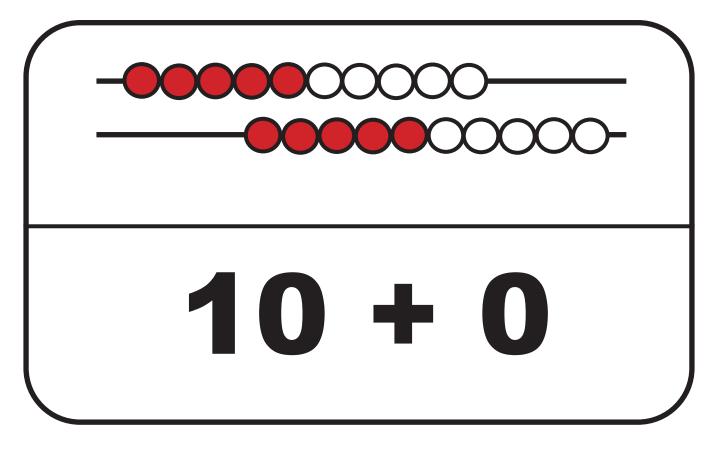






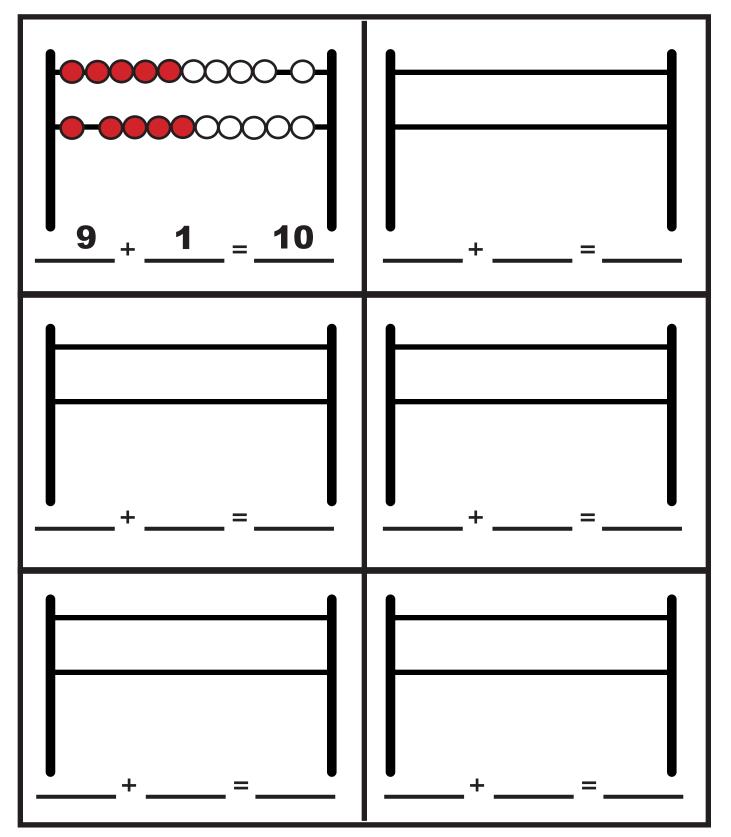


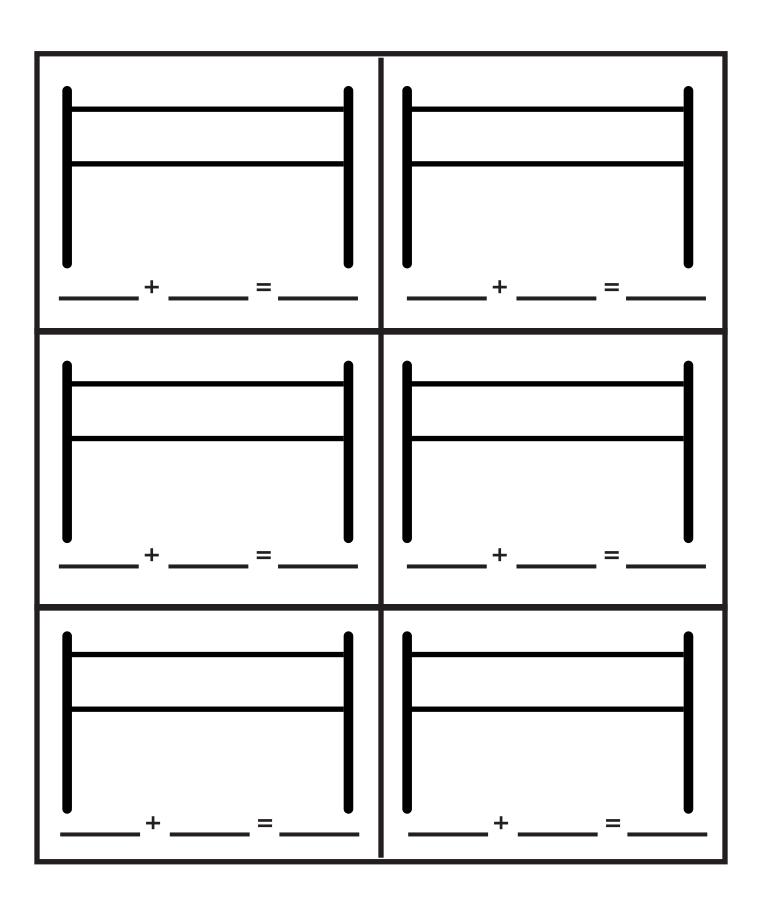






Recording Sheet Draw What You Did on the Rekenrek!







Cube Towers and Number Lines

Goal

Students practice make ten facts

Way to Play

Model the problem with a cube tower. Record thinking on the cube tower recording sheet.

Materials

Cubes. Cube Stick Template. Recording Sheet. **Concentration Cards**

Scaffolding the Game

There are 2 sets of flashcards. Set A: Scaffolded flashcards with cube pictures.

Set B: Match games with models and expressions.

Directions

Activity 1

Pull a flashcard from p. 20. Model it with cubes. Color the cube recording sheet. Solve. Explain using your 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.

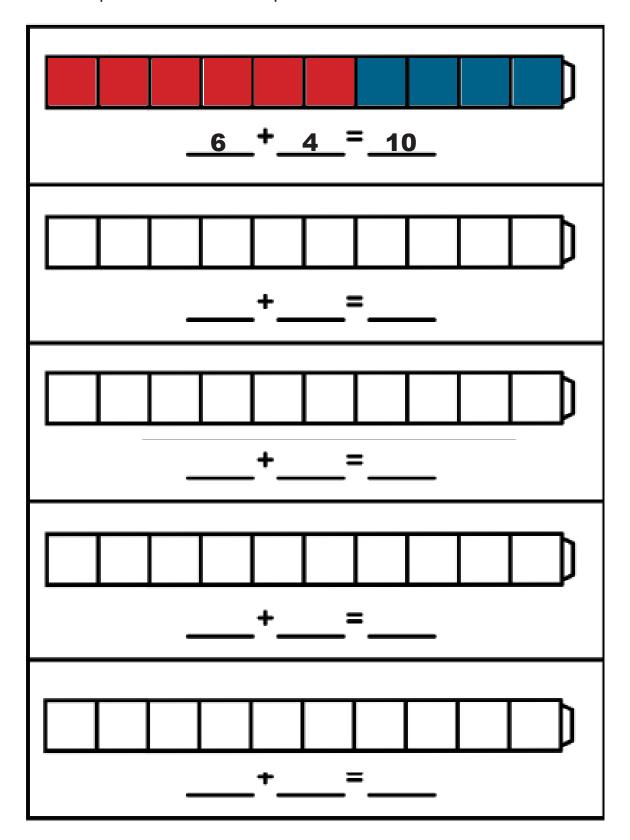
Use your math words: My problem was ____. I started with ____ cubes. Then I added __ cubes. My sum is 10.



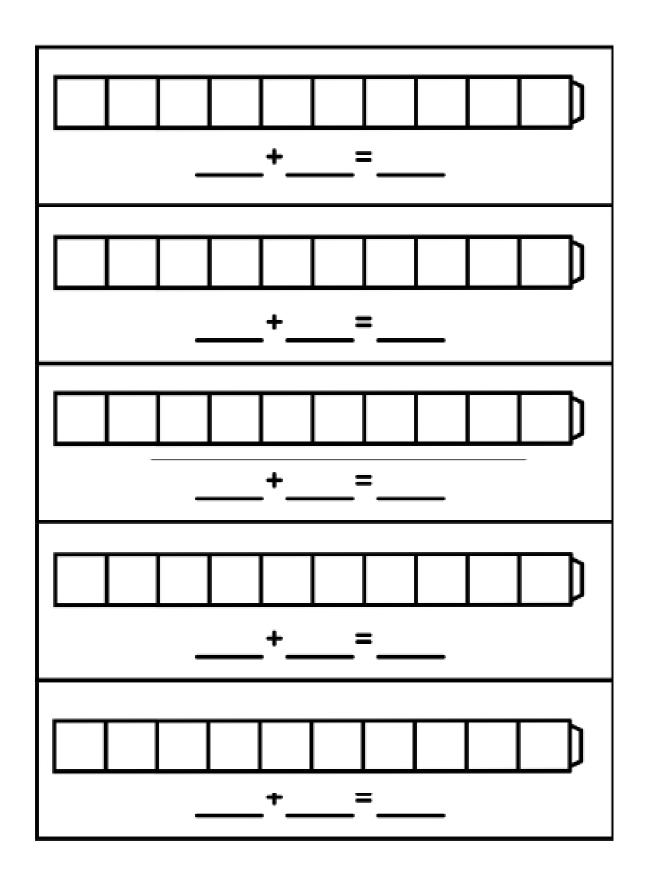
Recording Sheet

Build Make Ten Facts with The Cubes!

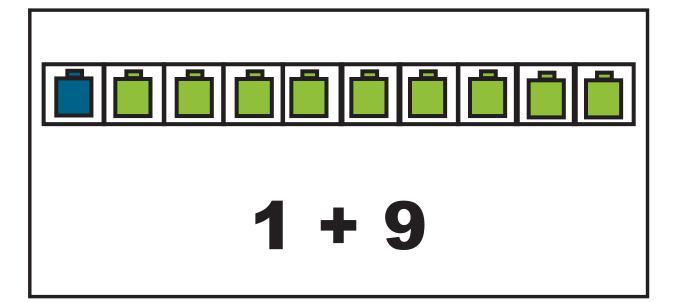
Roll the dice or pull a card, build a cube tower of the fact. Color the cube template and write the equation.

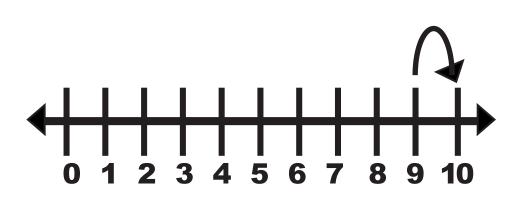


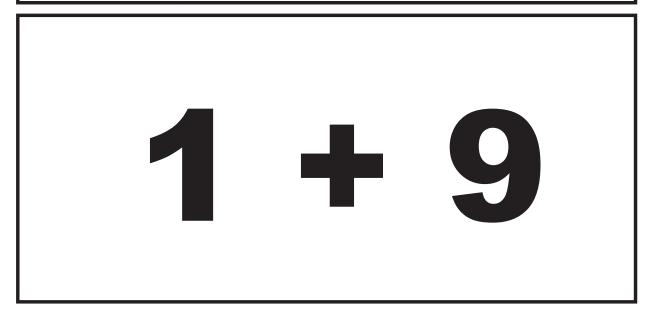


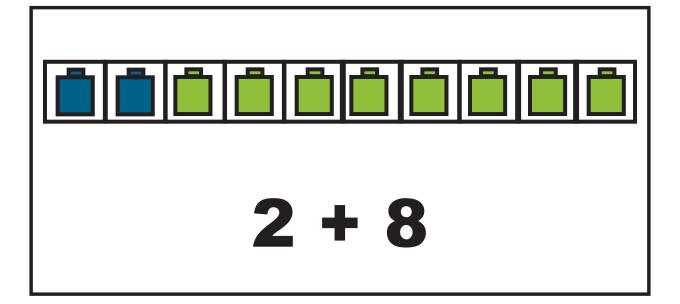


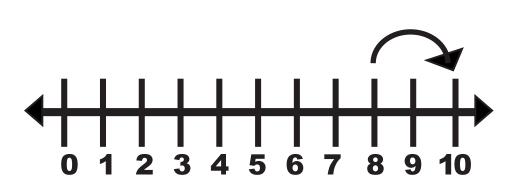




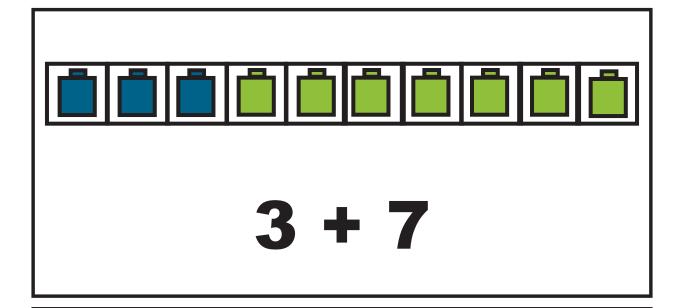


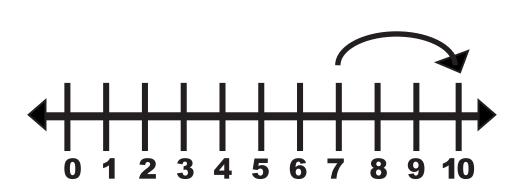


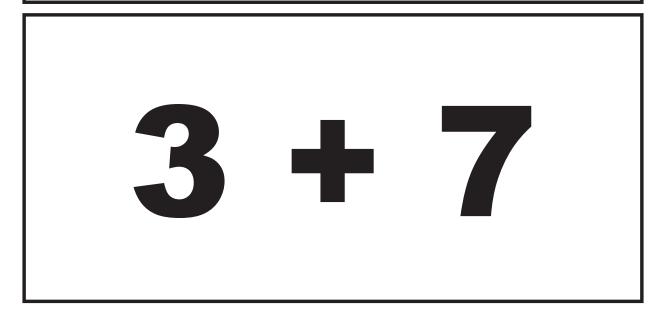


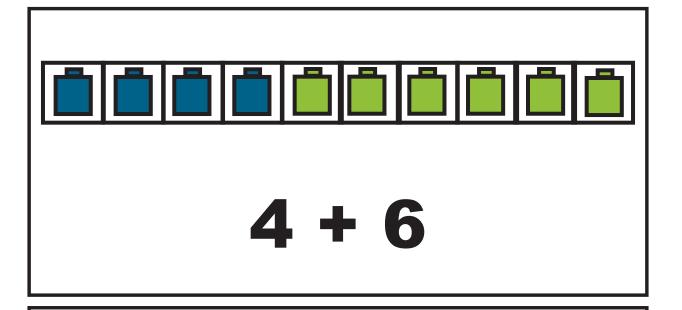


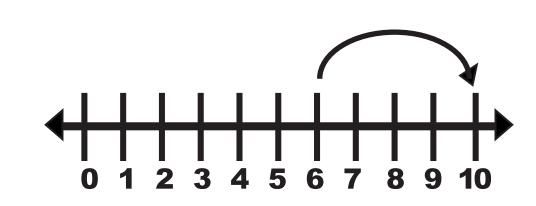




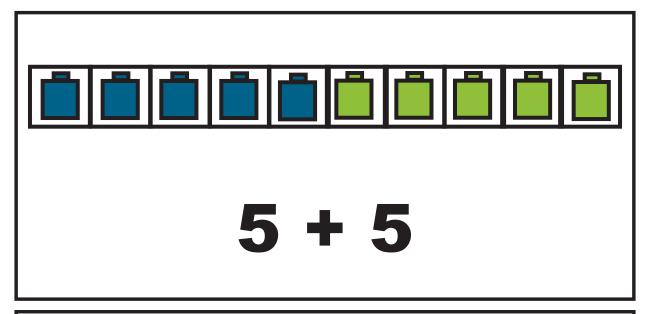


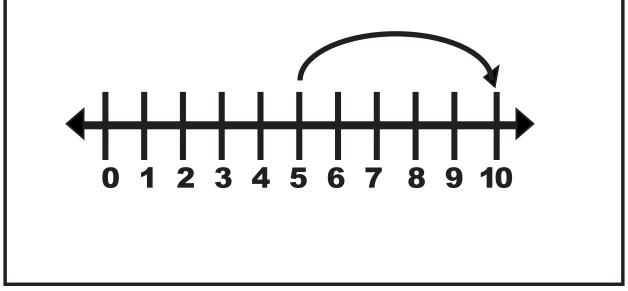


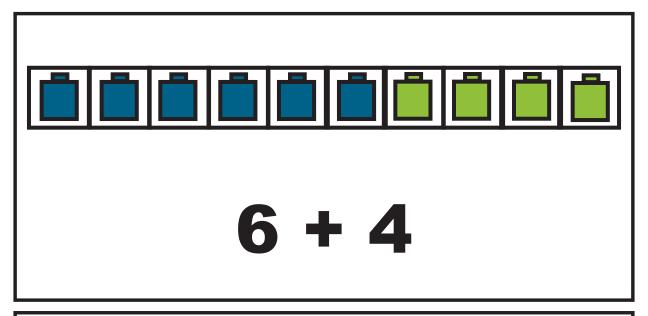


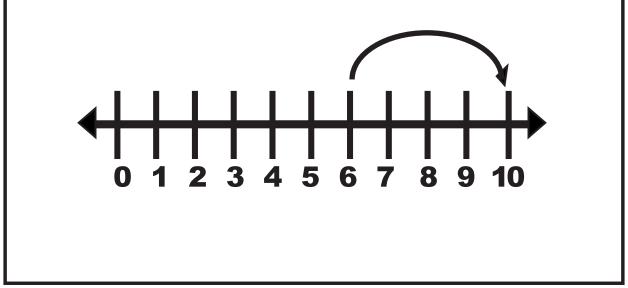






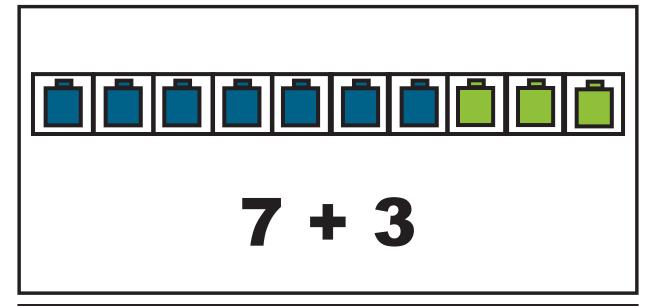


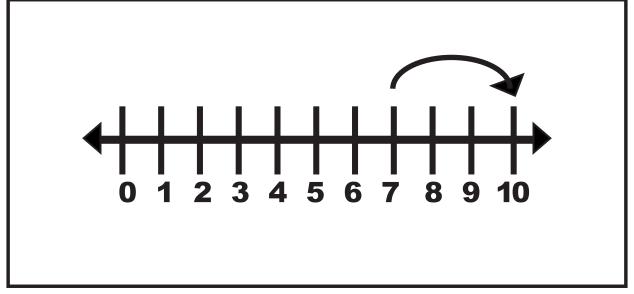




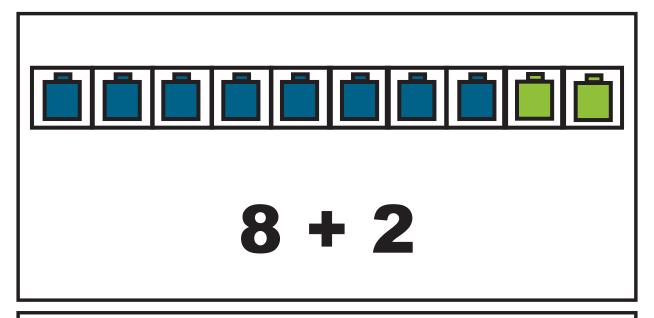


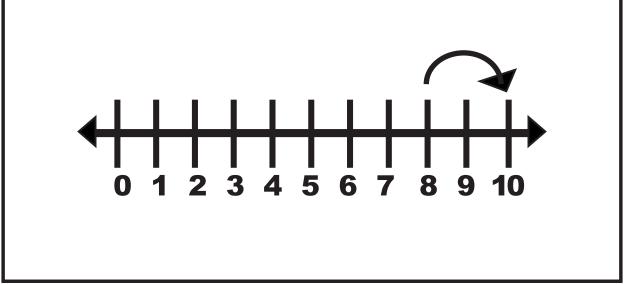




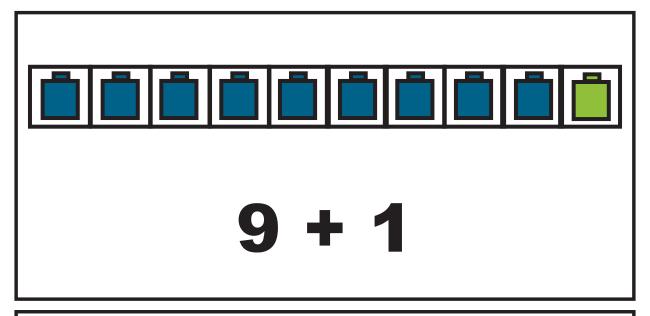


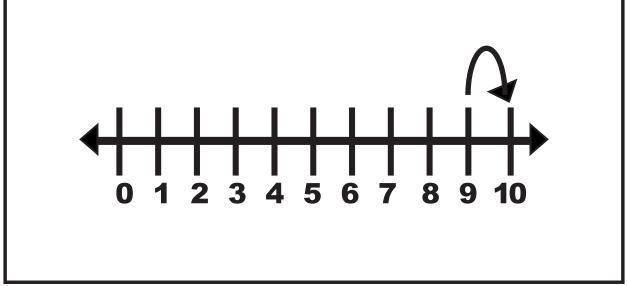


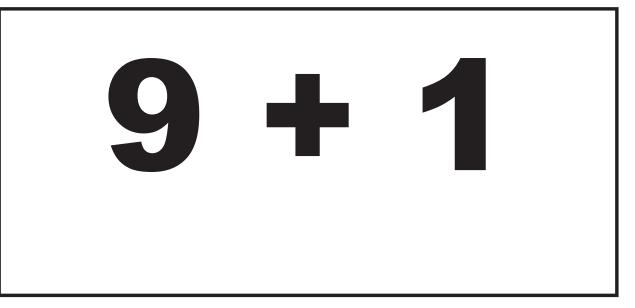




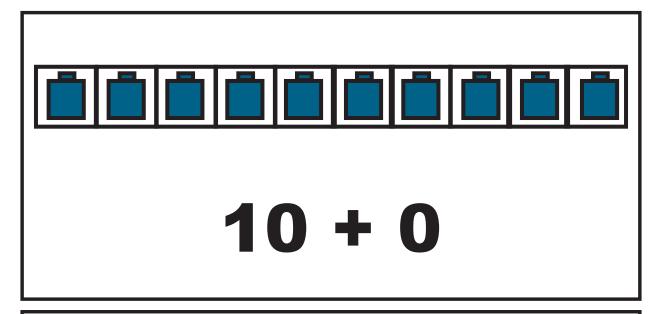


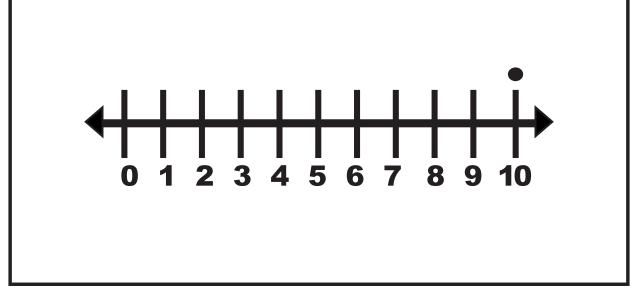




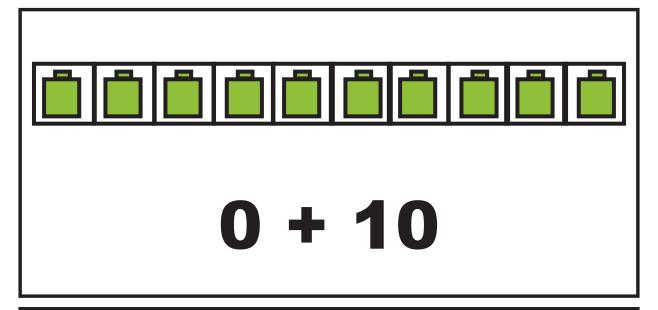


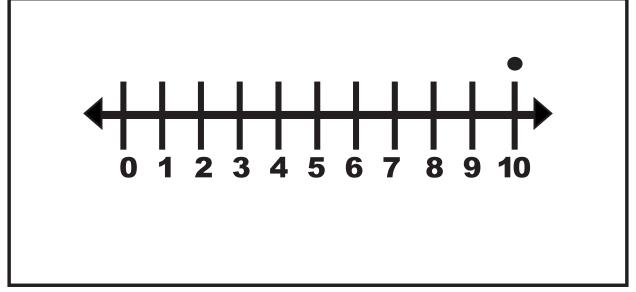














Bead Stick

Goal

Students practice make ten facts

Way to Play

Students need to make bead sticks out of pony beads and pipe cleaners. Model the problem with a bead stick. Record thinking on the bead stick activity sheet.

Materials

Bead Stick **Bead Stick Activity Sheet** Beads

Scaffolding the Game

There are 2 sets of flashcards. Set A: Beadstick flashcards. Set B: Flashcards with sums. (see p. 20)

Directions

Activity 1

Pull a flashcard. Model it with the bead stick. Color the bead stick activity sheet. Solve. Explain using your math words (see below).

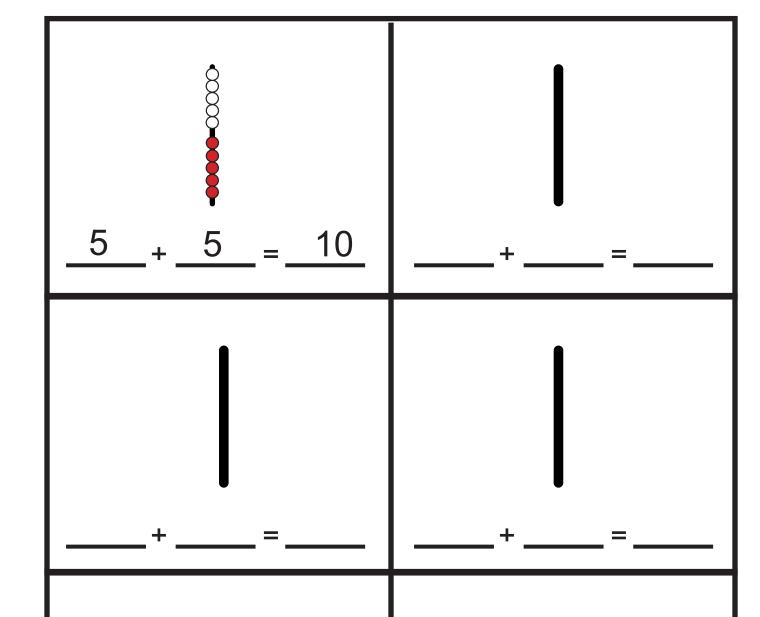
Activity 2

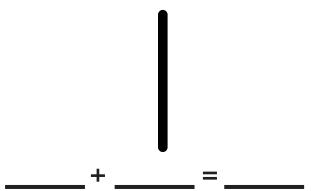
Use 10 as your sum. Model all of the different addends on the bead stick. Record all of the ways to make 10.

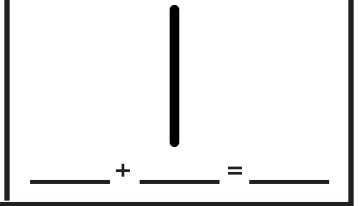
Use your math words: My problem was ____. I started with ____ beads. Then, I added . My sum is 10.

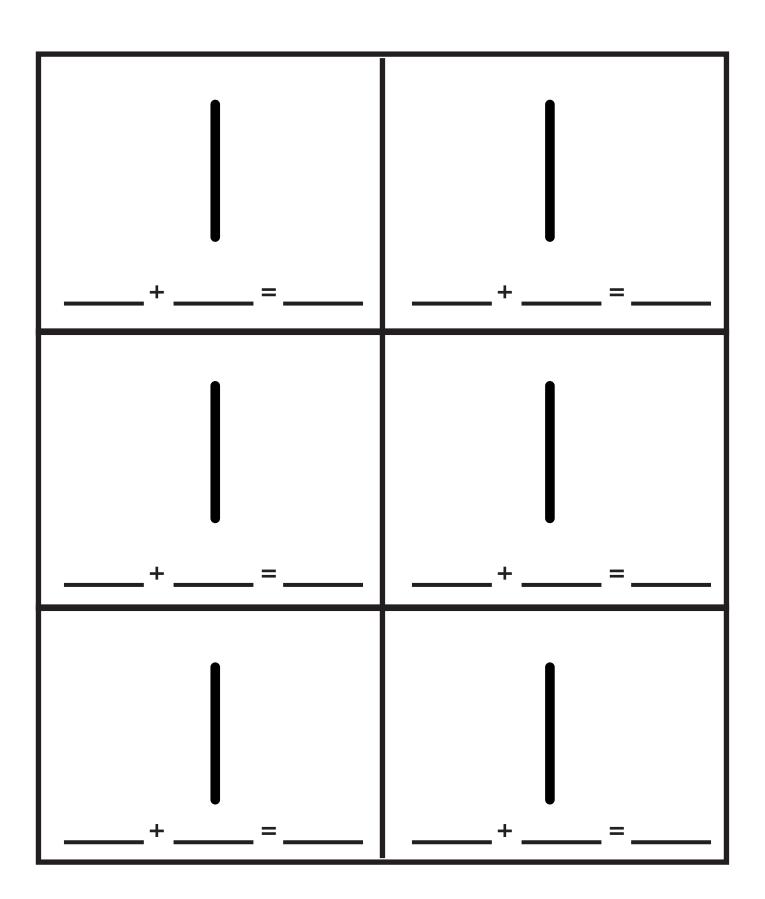


Bead Stick Activity











Part Part Whole Mat

Goal

Students practice make ten facts

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. 10 sided dice

Scaffolding the Game

There are 2 sets of flashcards. Set A: Part Part Whole Flashcards (on Part Part Whole Mat Recording Sheet) Set B: Regular flashcards. Set C: Missing addend flashcards on p. 87.

Directions

Activity 1

Pull a Flashcard. Model it using manipulatives on the big part part whole mat. Then write it on the recording sheet (using numbers.) Explain your work using Math Words (see below.)

Activity 2

Roll a ten sided dice and make ten to the number. Show it on the part part whole recording sheet.

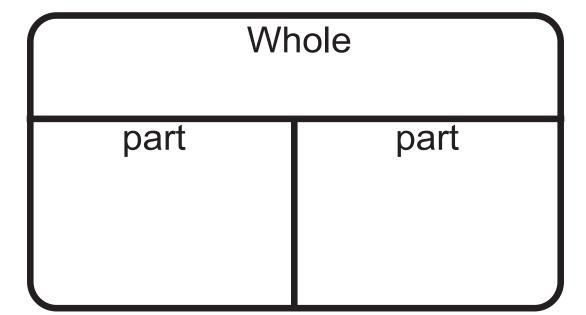
Use yo	ur math word	s:	
My problem was	I added	then	
My s	um is .		



Recording Sheet Part Part Whole Mat

+=	Whole
= +	part part
+ =	Whole
=+	part part
+=	Whole
=+	part part
	Whole
	part part

Part Part Whole Mat



Story Mats

Goal

Students practice make ten facts

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 their own problems.

Materials

Story Mats. Story Telling pieces. Flashcards. Story problems.

Scaffolding the Game

Use the regular flashcards or the word problem mat.

Directions

Activity 1

Pull an expression/equation from p. 65, 86, or 87 and act out a story using counters, pictures, or objects.

Activity 2

Pull a word problem story mat, flashcard, and story card with recording sheet. Act out the story and fill out the recording sheet.

Use your math words: My problem was ____. I added __ then ____. My sum is



Word Problem Story Card with Recording Sheet Use p. 87

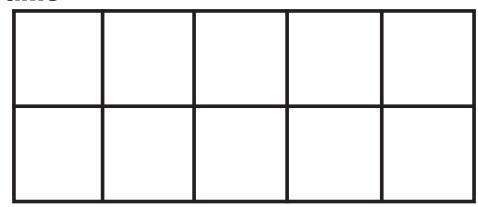
DOGS

Rica had ____ dogs. She got some more. Now she has ____ dogs. How many dogs did she get?

SET-UP EQUATION:	
+ ? =	

Drawing			

Ten Frame



Answer Equation	Answer:
+_=_	Dogs

Word Problem Story Card with Recording Sheet

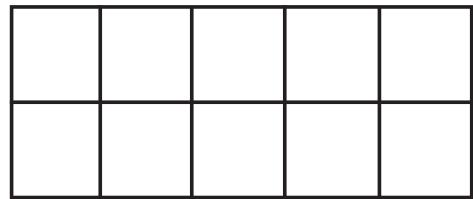
Use p. 86

FISHThere were ___ fish. ___ more swam up. How many are there now?

SET-UP	EQUATION:	
+_	_ = ?	

Drawing			

Ten Frame



Answer Equation	Answer:
+=	Fish

Word Problem Story Card with Recording Sheet

Use p. 87

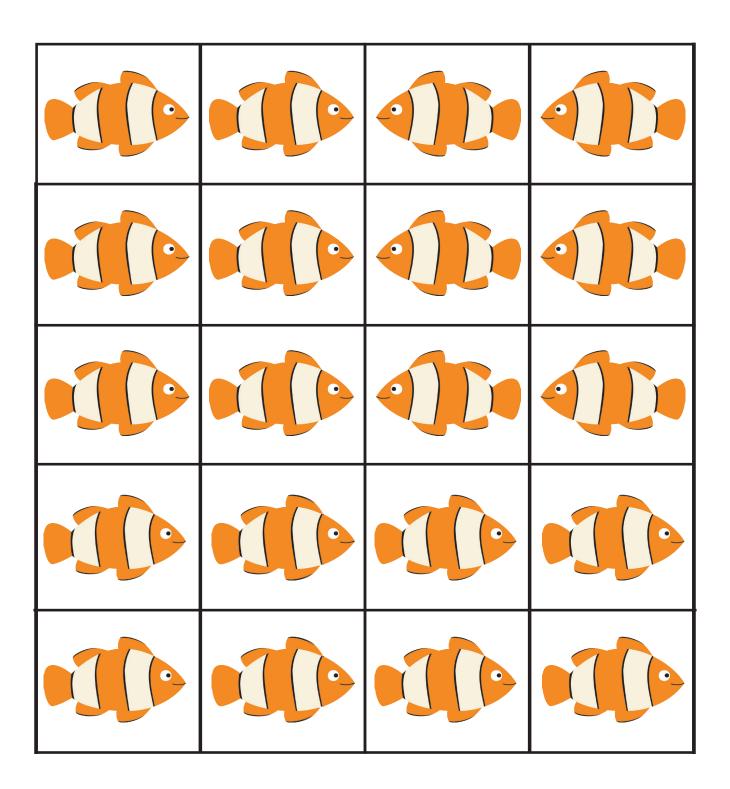
BALLS

The kids had balls altogether. They started with They got some more. How many did they get?						
SET-U	JP EG	UATI	ON:			
= .	+	?				
Drowins						==
Drawing						
Ten Fra	me	1			_	7
				1		1
A-0-0						
Answer Equation Answer:						
+_	+ = Balls					

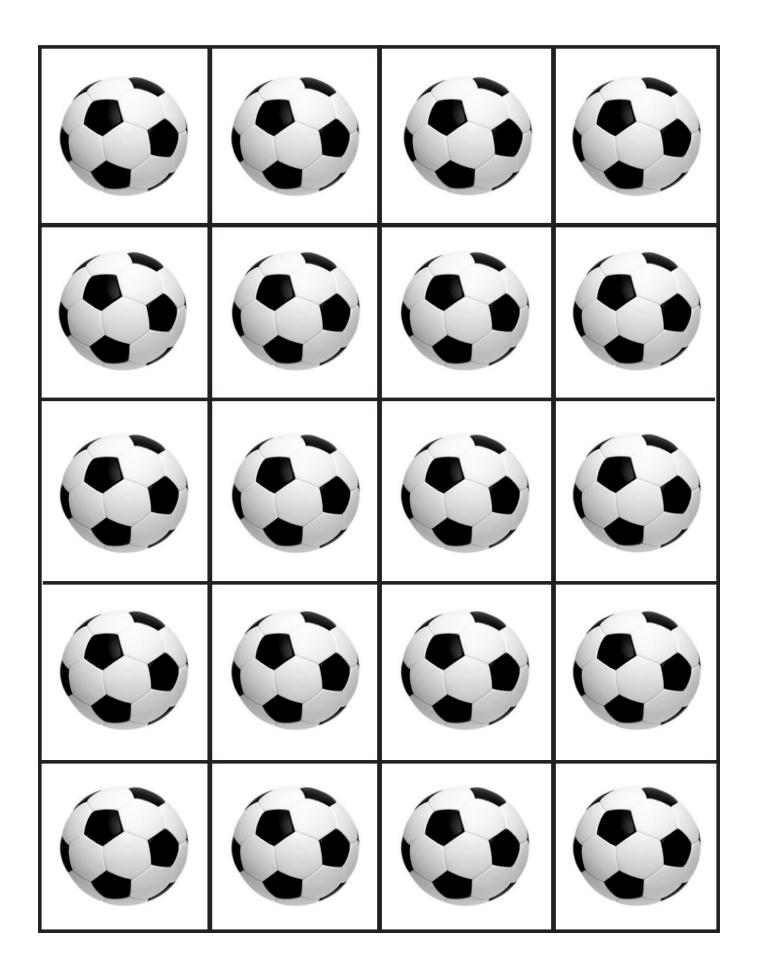


STORYTELLING MATS

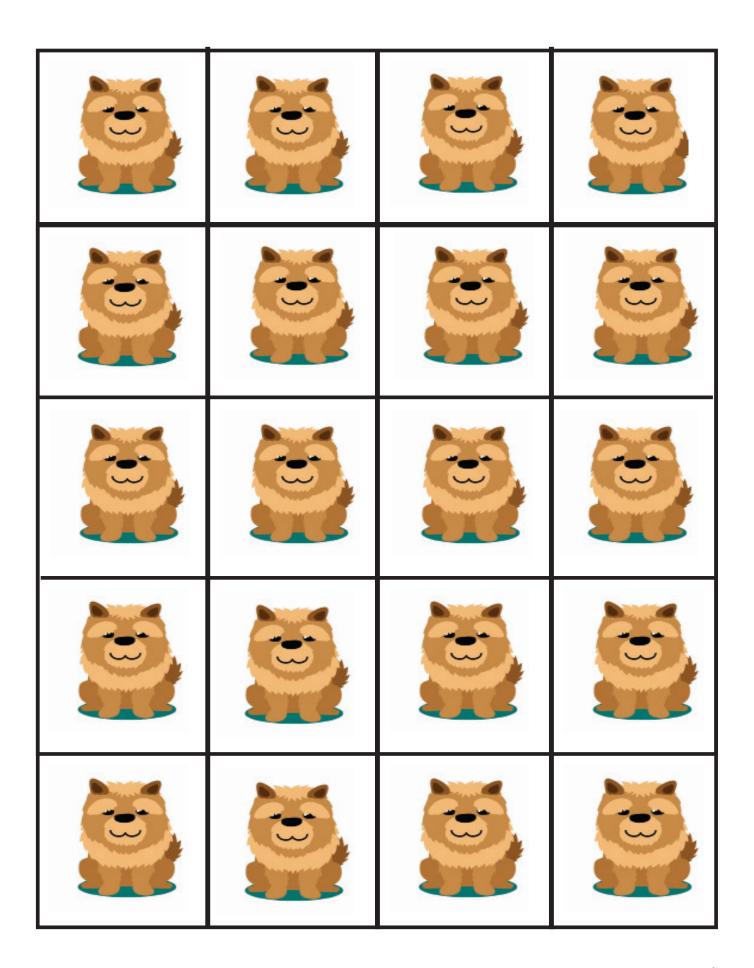
Pull a flashcard and act it out on the story mat. Draw a picture of your story. Write the equation.



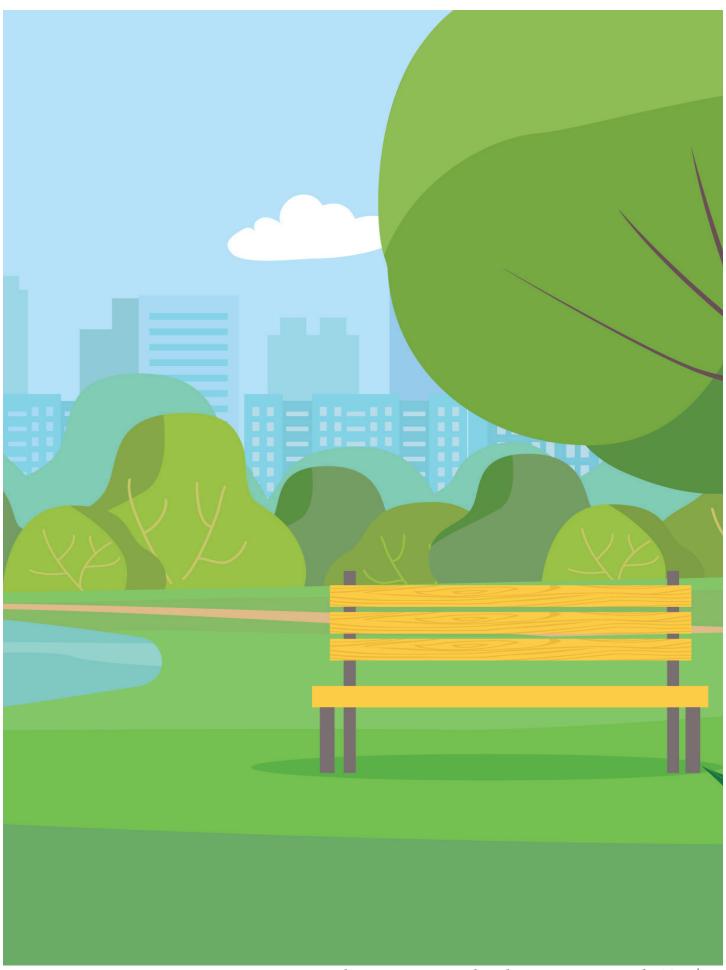














Make Ten Facts Flashcards

Pull and tell a story using the expression!



		raw a pio	cture of y	our story	/ -	
		Write	your equa	otion		
		write	your equa	ation.		
	_	+	:	=		
		Show i	t on the t	en frame).	
					T	1
					1	1
]
	ı	Model it o	n the nun	nber line		
←	++		-		++	+>
0	1 2	3 4	 5 6	7		10

Number Bonds

Goal

Students practice make ten facts

Way to Play

Pull flashcards and model on number bond template using manipulatives and/or numbers

Materials

Big Number Bond Template. Number Bond Recording Sheet. Manipulatives (base ten blocks)

Scaffolding the Game

There are 2 sets of flashcards. Set A: Number Bond flashcards. Set B: Regular flashcards. Set C: Missing addend flashcards (p. 87)

Directions

Activity 1

Pull a flashcard. Rebuild it on a number bond recording sheet using manipulatives. Explain using math words.

Activity 2

Pull a flashcard Rebuild it on a number bond template. Draw it on a number bond recording sheet. Write the numbers to match inside of each circle. Solve. Use your math words to explain.

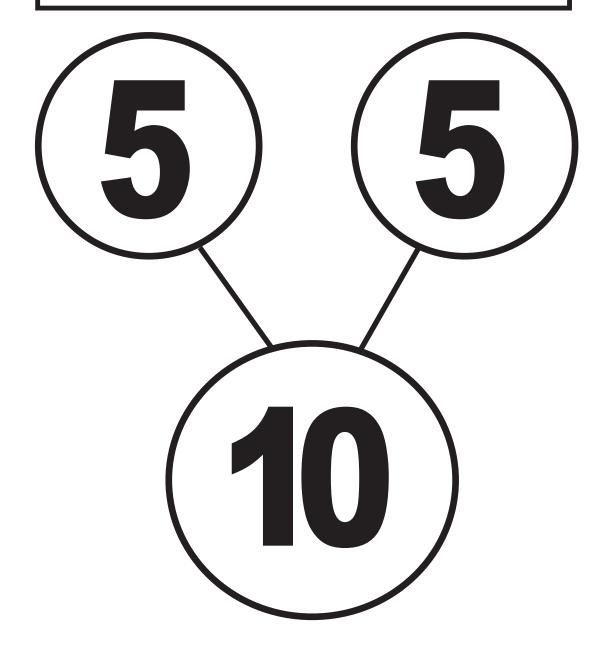
Use your math words: My problem was ____. My strategy was____ My sum is _



Number Bond Machine



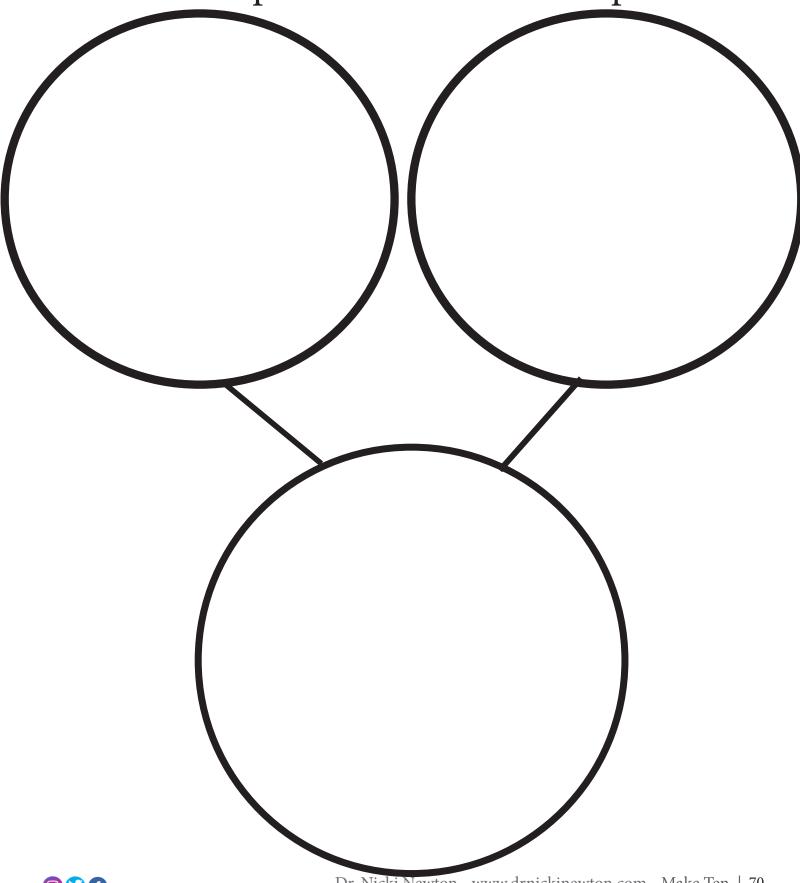
Number Bond Machine





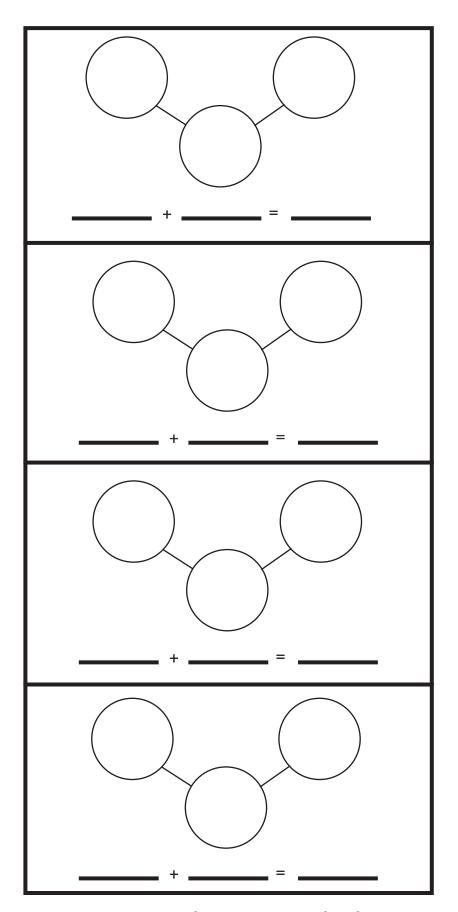
Number Bond Template

Use this template to add with manipulatives.





Recording Sheet for Number Bond Activity





Draw a picture

Goal

Students practice make ten facts

Activity

Students 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 a picture using circles or a number line and write the equation on the recording sheet.

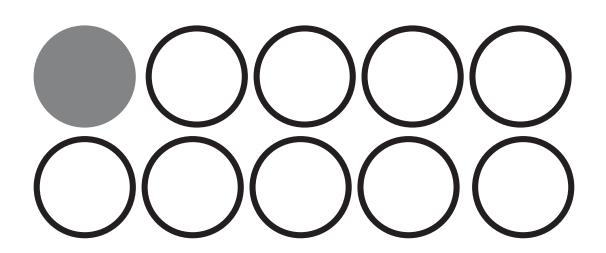
Activity 2

Pull a picture flashcard and say the number sentence to your partner. Use your math words to explain your strategy to your partner.

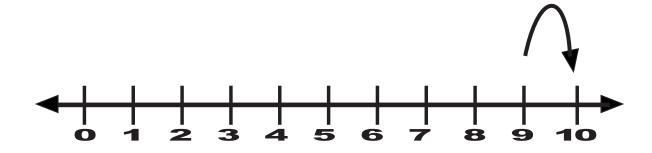
Use your math words: My problem was _____. My strategy was____ My sum is



Draw a picture



You can jump on the number line



Recording Sheet for Pictures

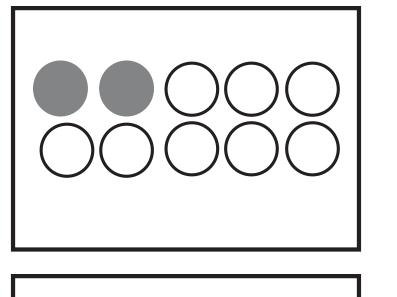
Pull a card. Illustrate the problem. Write the equation.

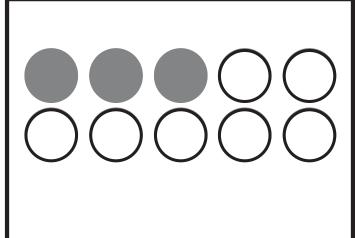
+=	+=	+=
+ =	+ =	+=

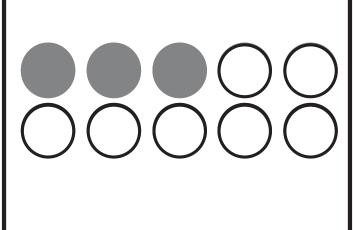


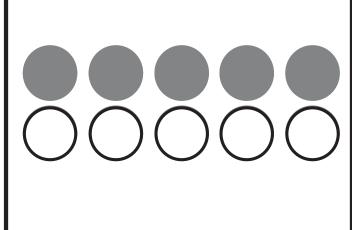
Picture Flashcards

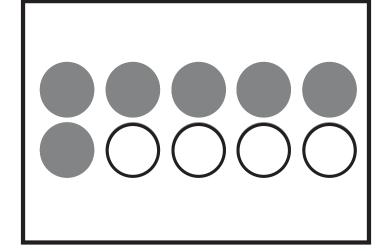
Pull a flashcard and tell your partner the number sentence.

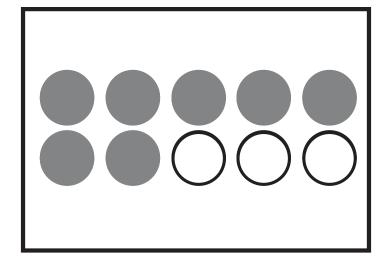






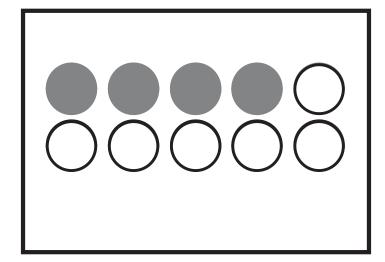


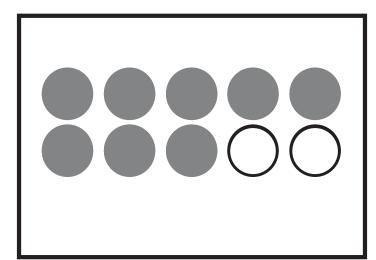


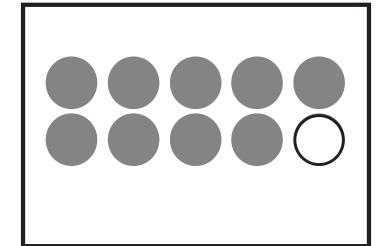


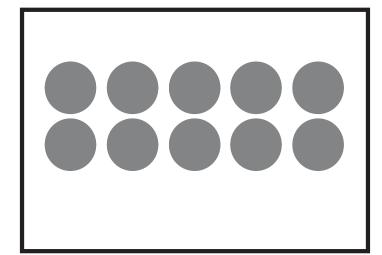
Picture Flashcards

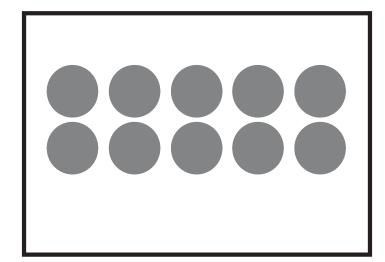
Pull a flashcard and tell your partner the number sentence.











Dominos Activities

Goal

Students practice make ten facts

Way to Play

Use the domino template to build facts. Play war with the dominos.

Materials

Dominos, Counters Big Domino Template **Domino Recording Sheet Domino Concentration**

Scaffolding the Game

There are 2 sets of flashcards. Set A. Domino flashcards. Set B. Regular flashcards.

Directions

Activity 1

Pull a domino. Rebuild it on a big domino template. Draw it on domino paper. Solve.

Activity 2

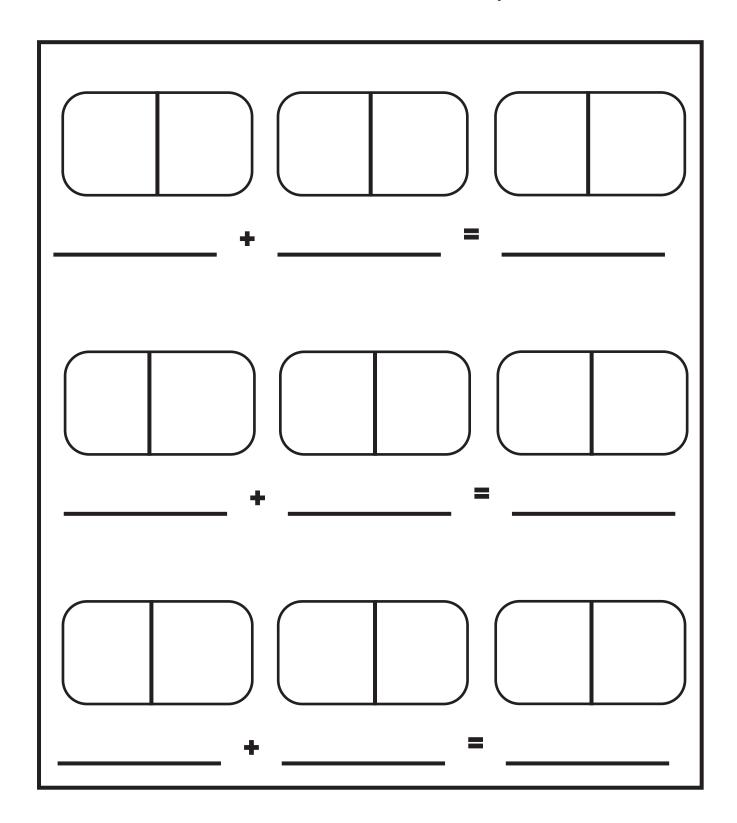
Lay out the dominos Take turns looking for the match of the problem and the domino model. Whoever finds the most matches wins.

Use your math words: My problem was ____. I started with____. I added _. My sum



Domino Recording Sheet Domino Facts

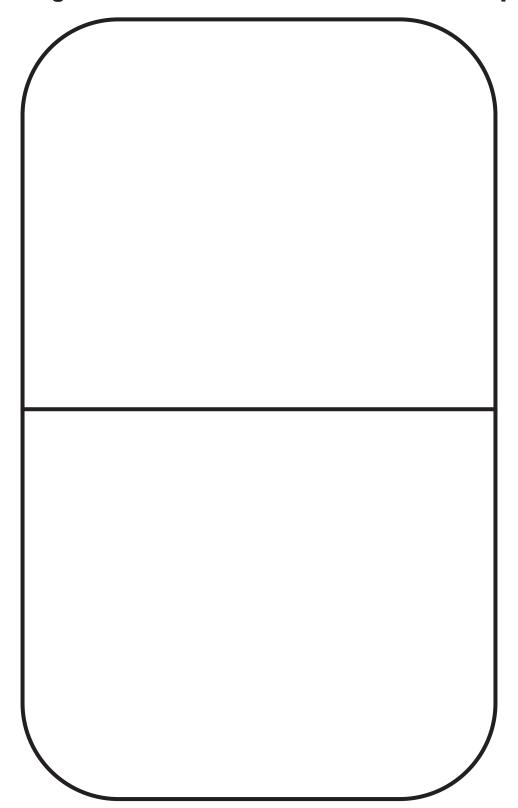
Pick a domino. Draw it and write the equation.





Big Domino Template

Pull a domino card. Build it using counters and then act out the addition problem.



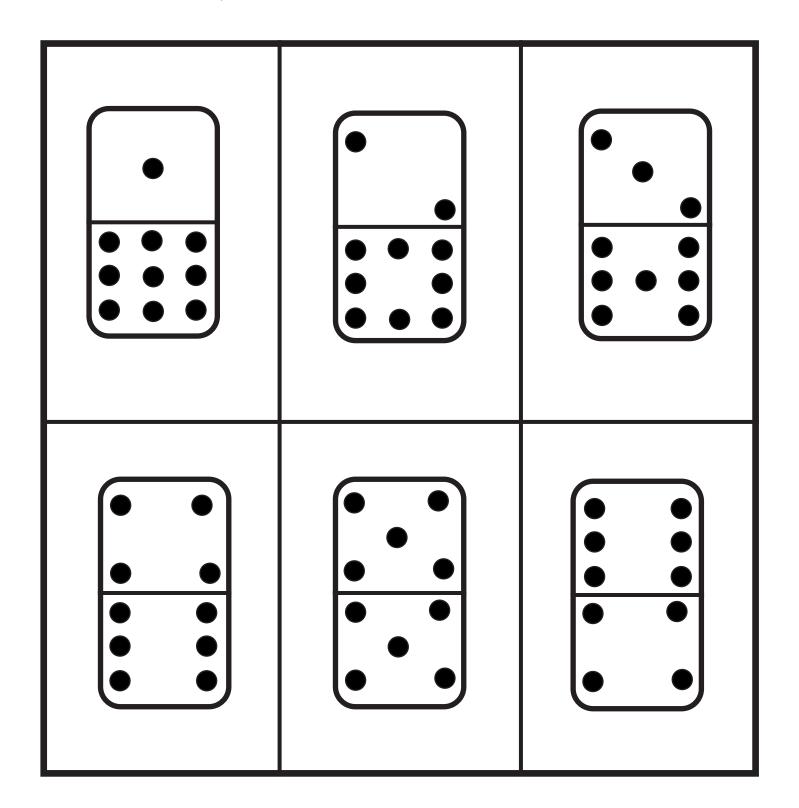


Cards for Domino Book

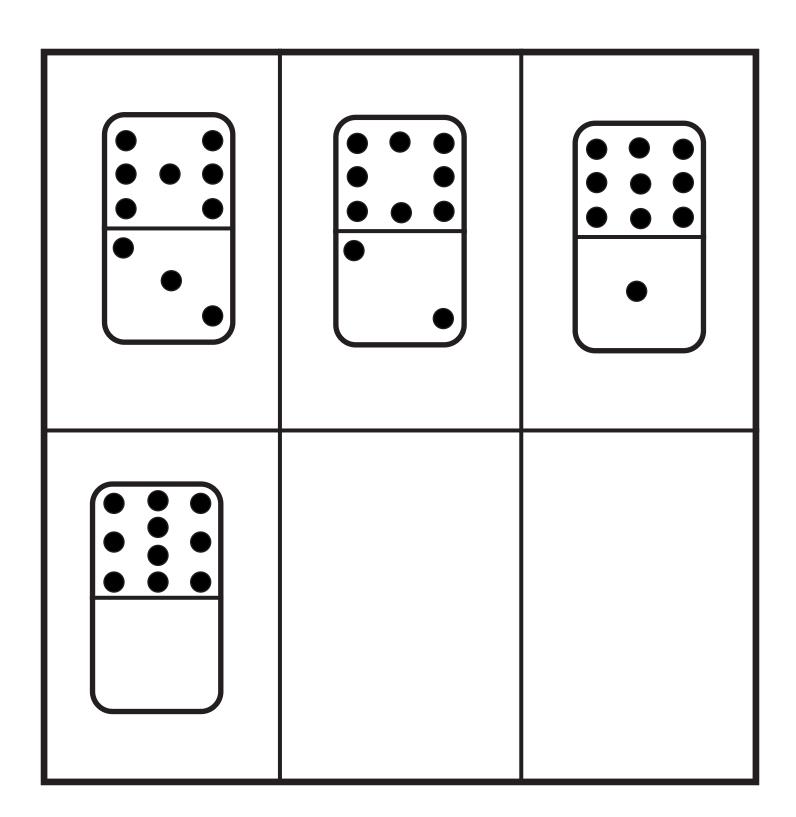
1	+	9	2	+	8	3	+	7
5	+	5	6	+	4	7	+	3
4	+	6	8	+	2	9	+	1
10) +	- 0						



Work with a friend to match the dominos and the expressions. Say the expression that matches the domino.



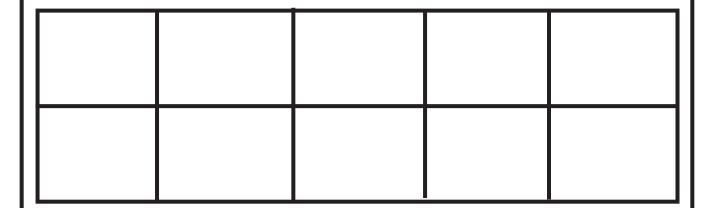






Model the facts

Model it on the Ten Frame



Model it on the Number Path

Draw a picture showing a Make Ten fact!
Write some Make Ten facts



Flashcards

Goal

Students practice make ten facts

Way to Play

Students place all cards face down. They take turns turning over the cards. Whoever has the largest sum wins those cards. When all the cards are gone, whoever has the most cards wins. Also, students may model problems using number lines and ten frames. Show less

Materials

Flashcards

Scaffolding the Game

There are 2 sets of flashcards. Set A:Flashcards that model make 10. Set B: Missing addend flashcards

Directions

Activity 1

Pull a flashcard Model it on the number line. Say the problem out loud.

Activity 2

Students make up their own make ten problems on the number line or ten frame. Solve. Use your math words to explain your strategy.

Use your math words: My problem was ____. I started with ____. I added _. My sum is ____.



SET A

Make Ten Facts

$$1 + 9 =$$

$$3 + 7 =$$

$$5 + 5 =$$

$$6 + 4 =$$

Make Ten Facts

$$7 + 3 =$$

$$8 + 2 =$$

$$9 + 1 =$$

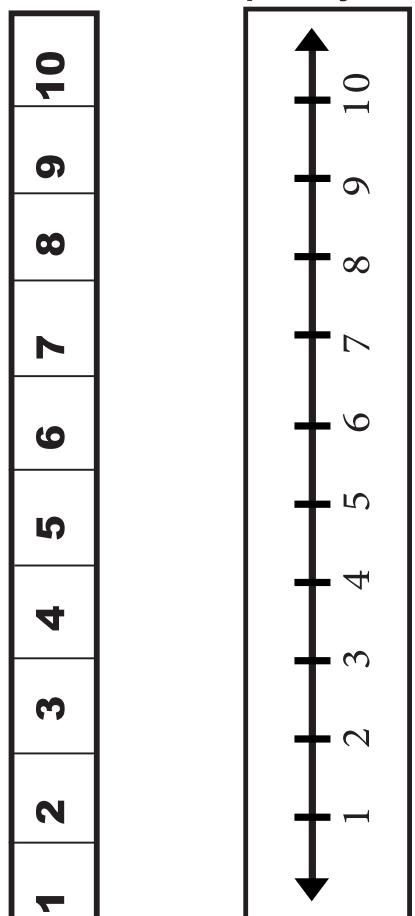
$$10 + 0 =$$

$$0 + 10 =$$

SET B

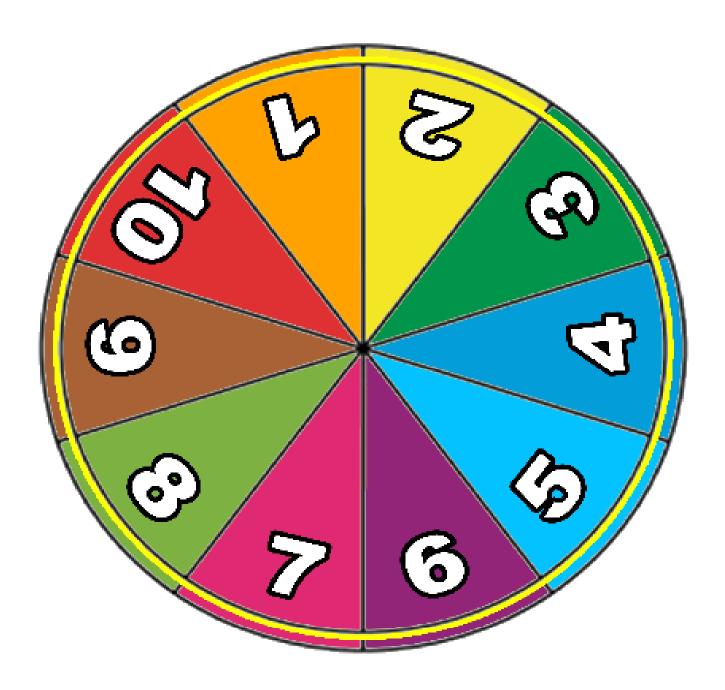


Use the number line or number path if you need help!



GAMEBOARD SPINNER GAME

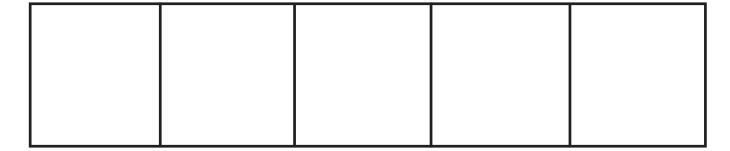
Each partner spins and adds a number that makes 10. Whoever gets the largest sum gets a counter. Keep track of the score in the ten frame. Whoever gets 5 counters first wins.





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.

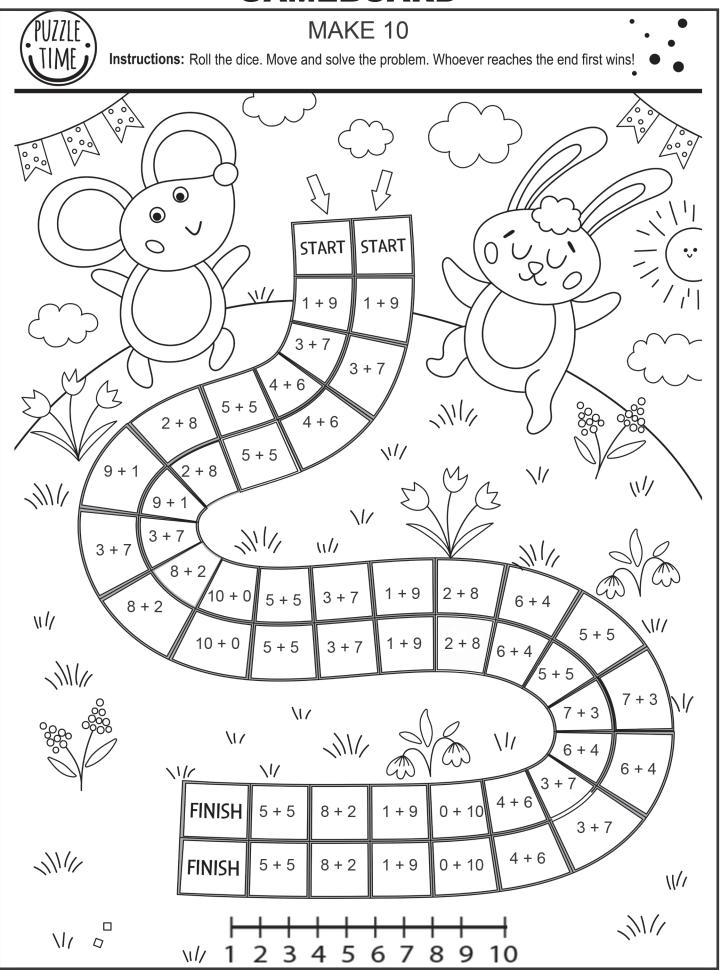
Player 1	Compare your equations with a symbol: < = >	Player 2
+=		+=
+=		+=
+=		+=
+=		+=



NUMBER CARDS



GAMEBOARD



Make Ten Quiz

Match the expression and the sum!

10

10

10

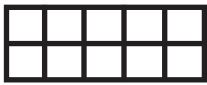
10

10

8 + 2

5 + 5

Model a Make Ten fact





Solve:

Kim had 8 rings. She got 2 more. How many does she have now?

Show 9 + 1



Make the equations true.

Performance Quiz and Oral Interview

1 What are Make	2. Can you pick	3. Can you pick
Ten Facte?	a flashcard and	a flashcard and
	model one for me	model one for
	on a ten frame?	me on the
		number path or
		number line?
4. Model this:	5. Show the	6. What is easy
Terri had 4	students a few	and what is tricky
bracelets. She	flashcards to see	about learning
got 6 more. How	how they solve	Make Ten facts?
many does she	the problems.	
have now?		



				 		 			_
Make 20									
Adding within 20									
Add 10									
Make 10									
Bridge 9									
Bridge 8									
Bridge 7									
Doubles +2									
Doubles Doubles +1									
Doubles									
Lower									
Adding within 5									
Count on									
Plus 1									
Plus 0									
STUDENTS									