Name			
1MOLLIE			

Teaching Tool

# **Problem Solving Recording Sheet**

Problem:			

#### MAKE SENSE OF THE PROBLEM

MARE SENSE SI THE IT	IODLLINI	
Need to Find	Given	
	•	
	• • •	
	• • •	
	•	
	•	

### PERSEVERE IN SOLVING THE PROBLEM

# Some Ways to Represent Problems

- ☐ Draw a Picture
- ☐ Draw a Number Line
- ☐ Write an Equation

## **Some Math Tools**

- □ Objects
- ☐ Technology
- ☐ Paper and Pencil

### **Solution and Answer**

#### **CHECK THE ANSWER**

Teaching Tool

# **Student Progress Report**

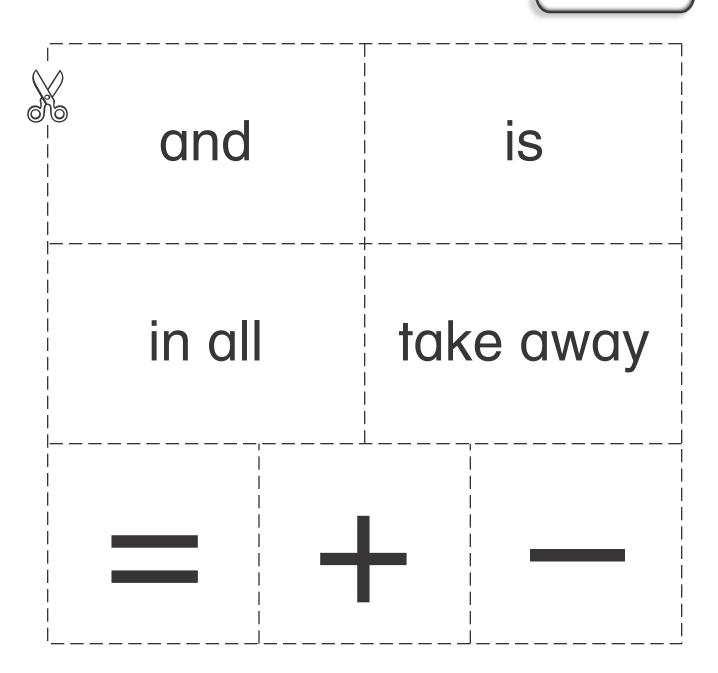
Date		
Dear Family,		
Your child has just completed Topic in our mat program.	h	
Dear Family,  Your child has just completed Topic in our maprogram.  Teacher Comments:  Name of student:		
I have received and reviewed this progress report for my	child.	
Parent/Guardian Signature		
Parent/Guardian Comments:		

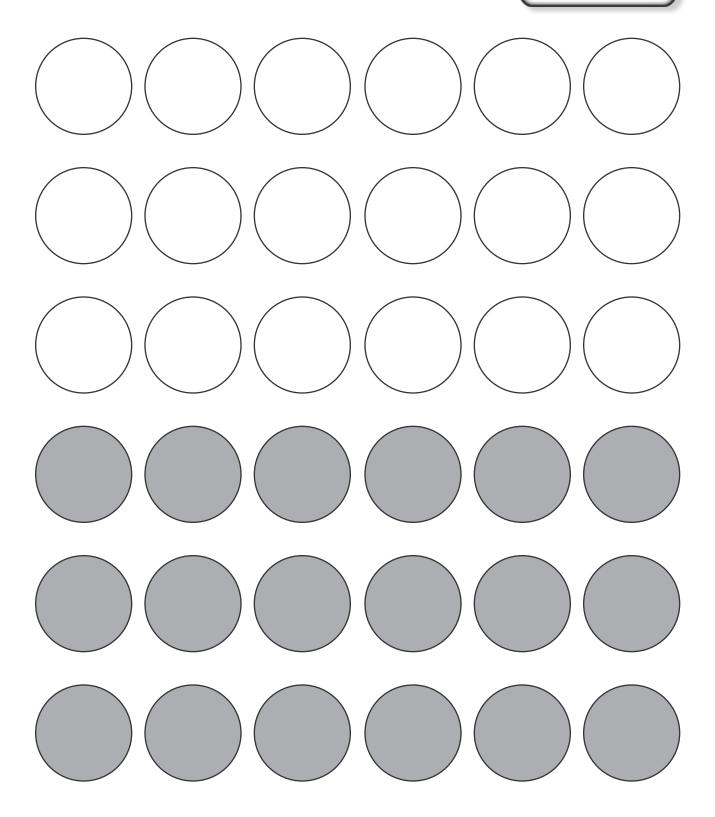
Teaching Tool

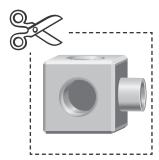
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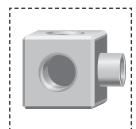














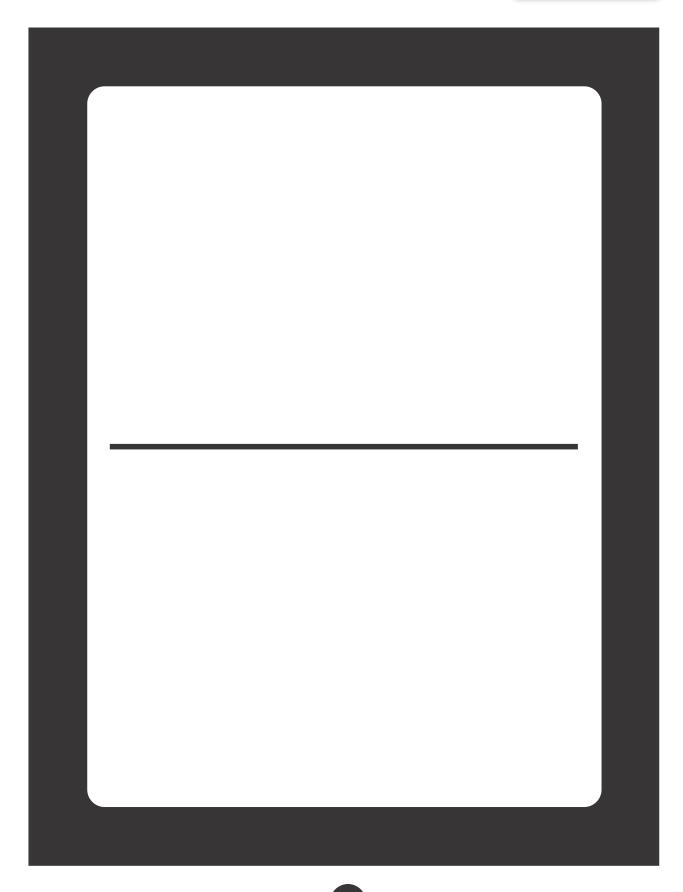


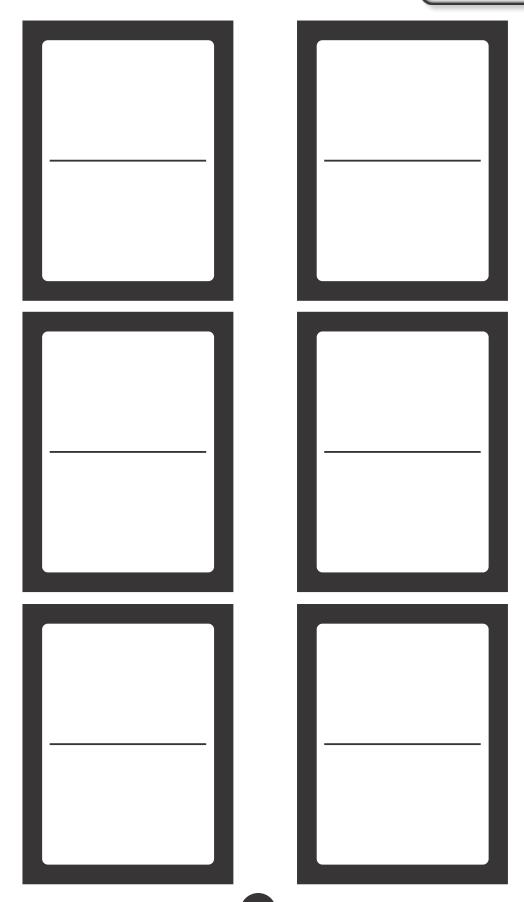


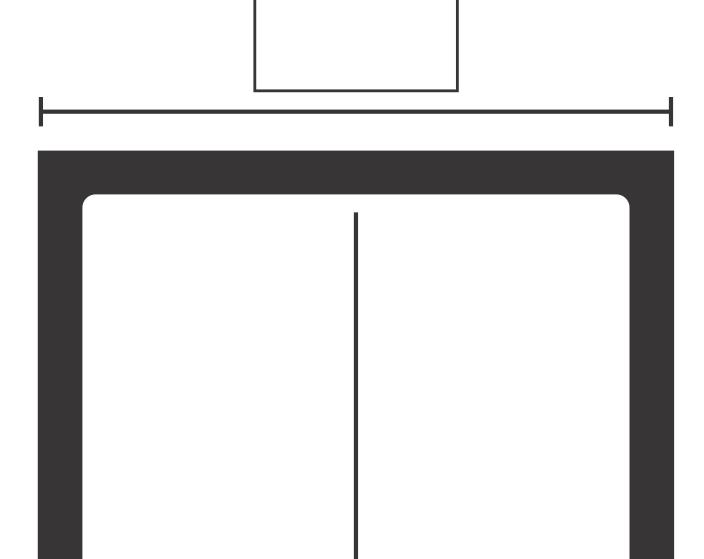


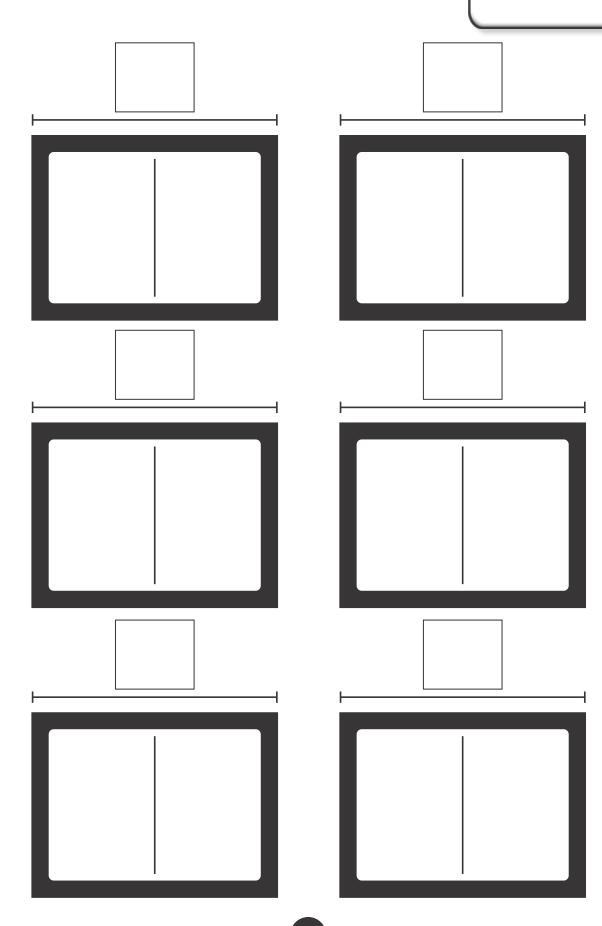


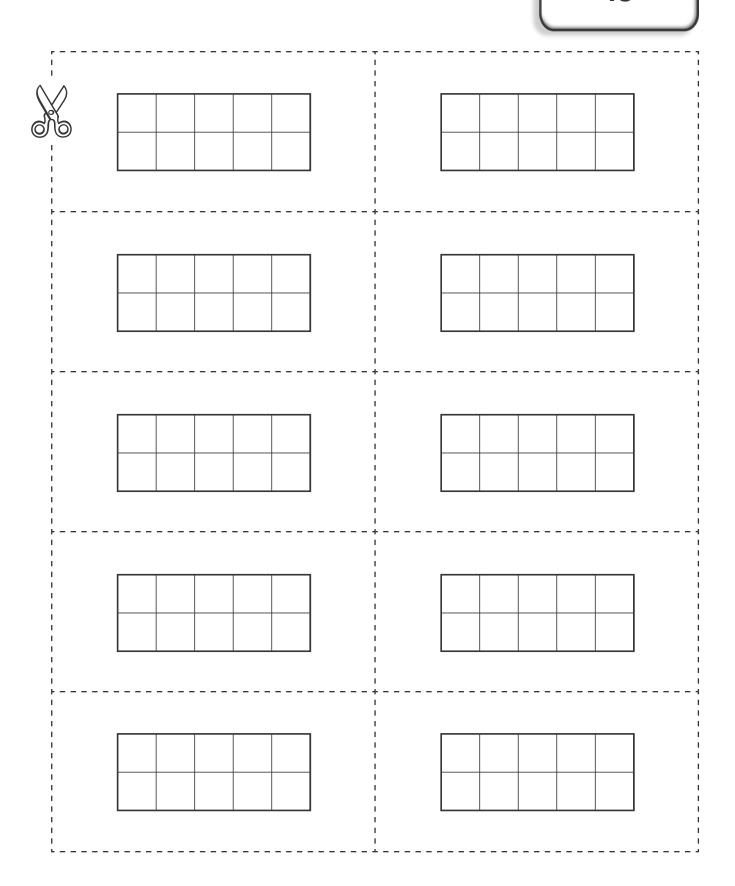


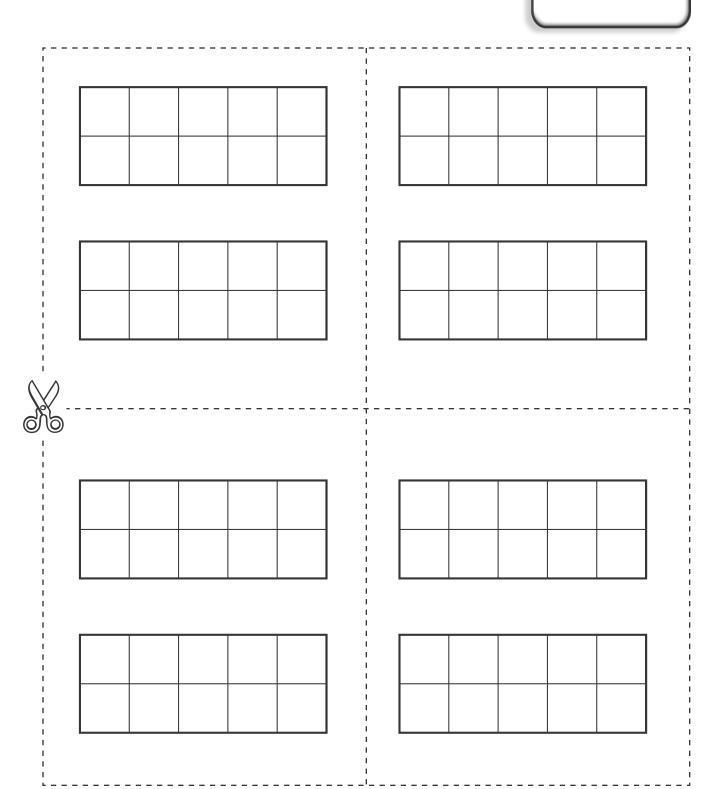




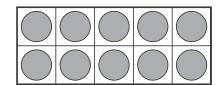


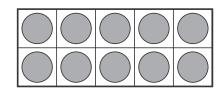


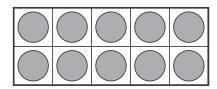


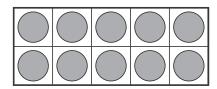


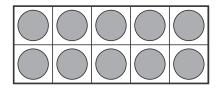


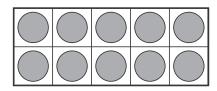


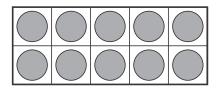


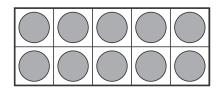


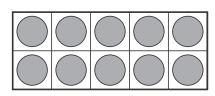


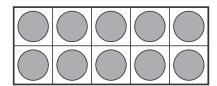




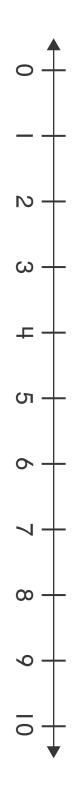




















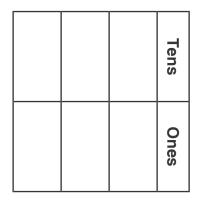


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61	62	63	64	65	66	67	68	69	70
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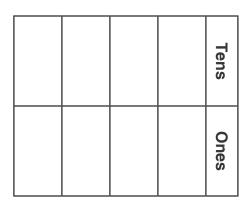

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51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
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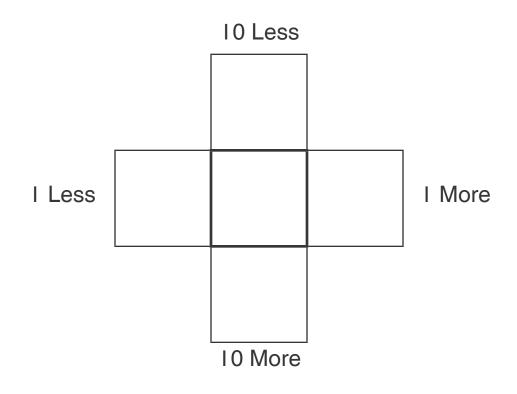
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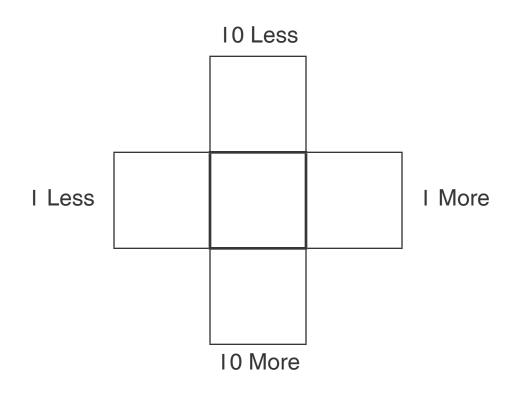


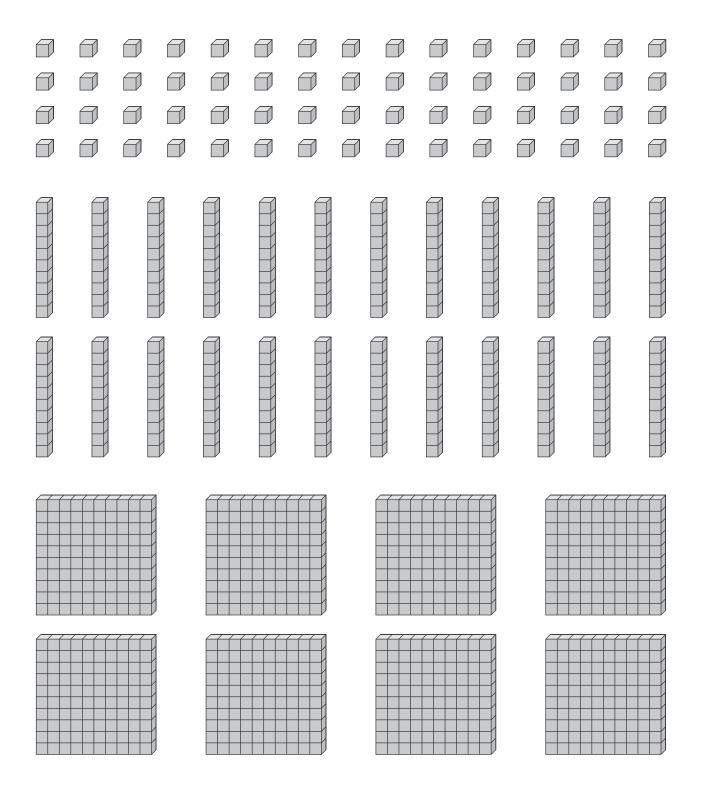
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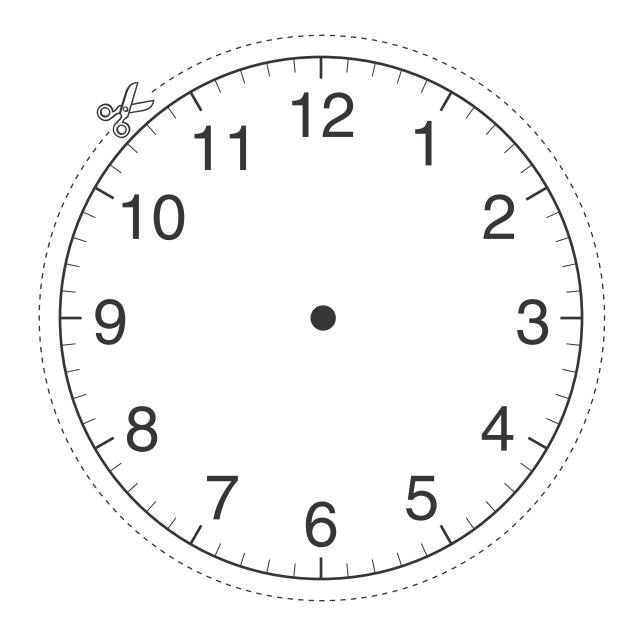


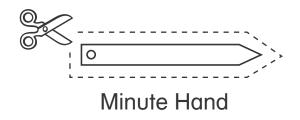


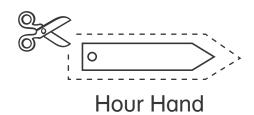
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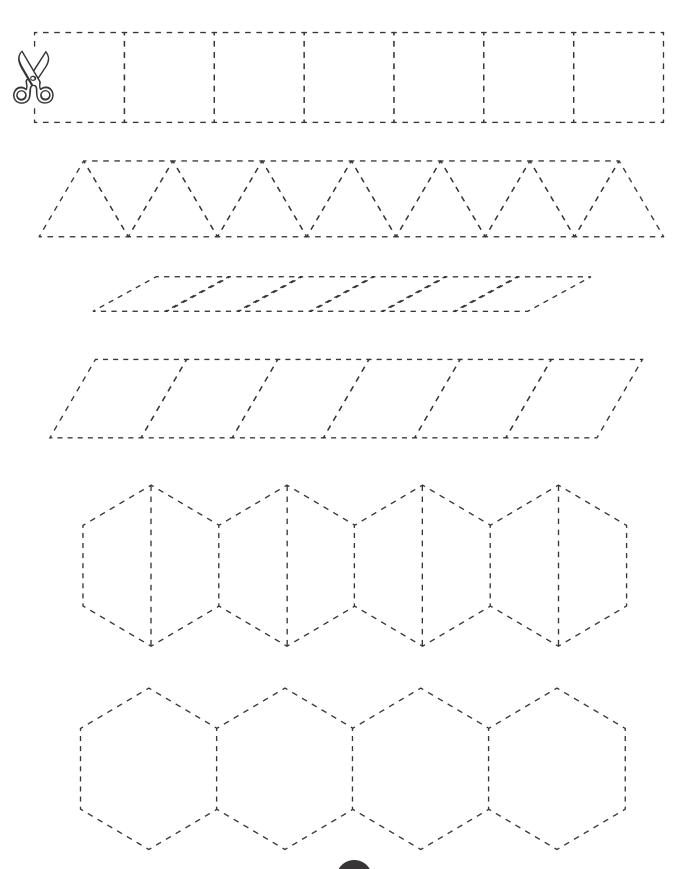


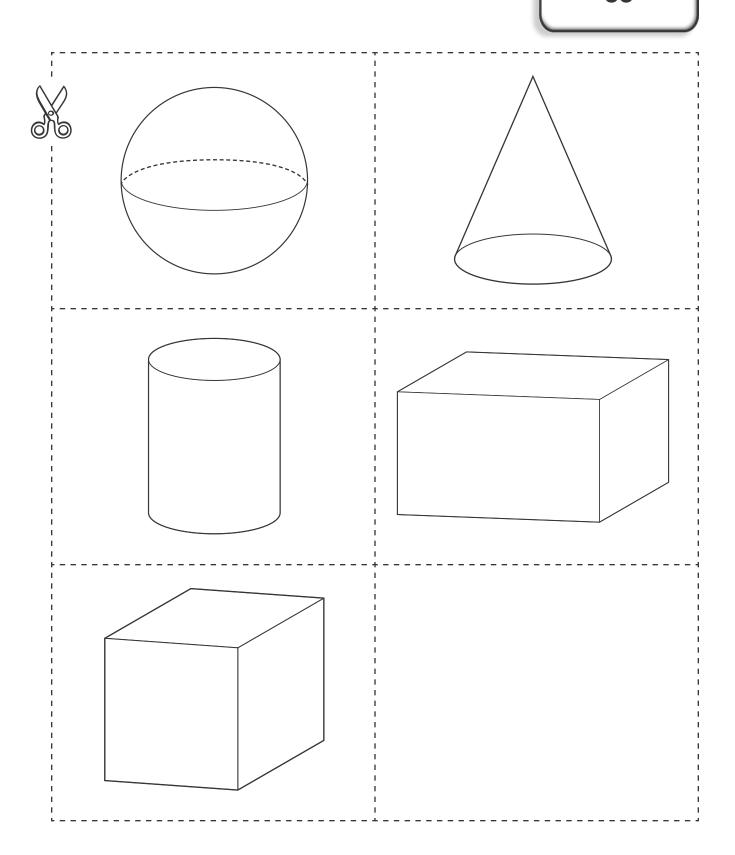


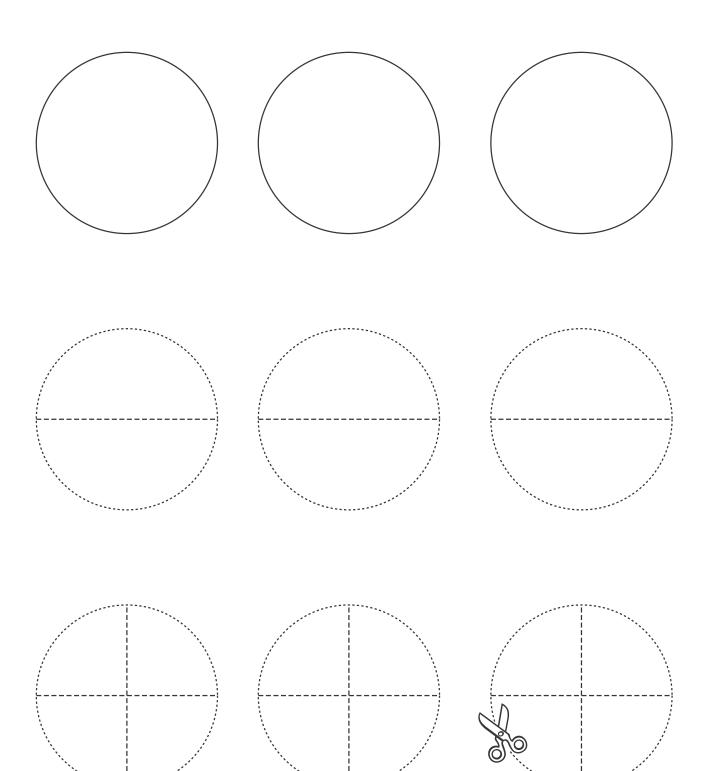


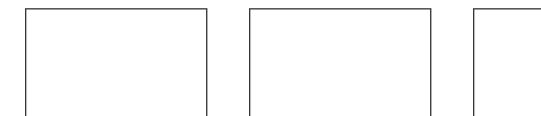




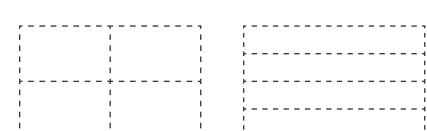












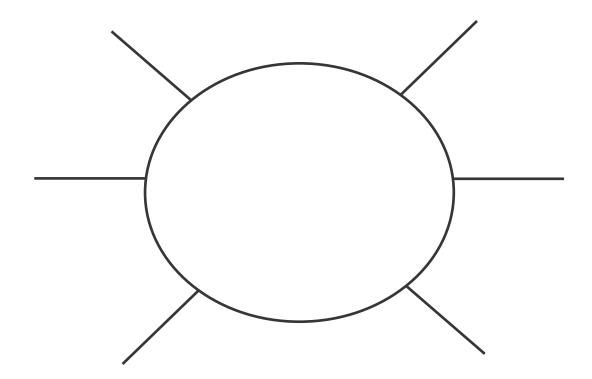


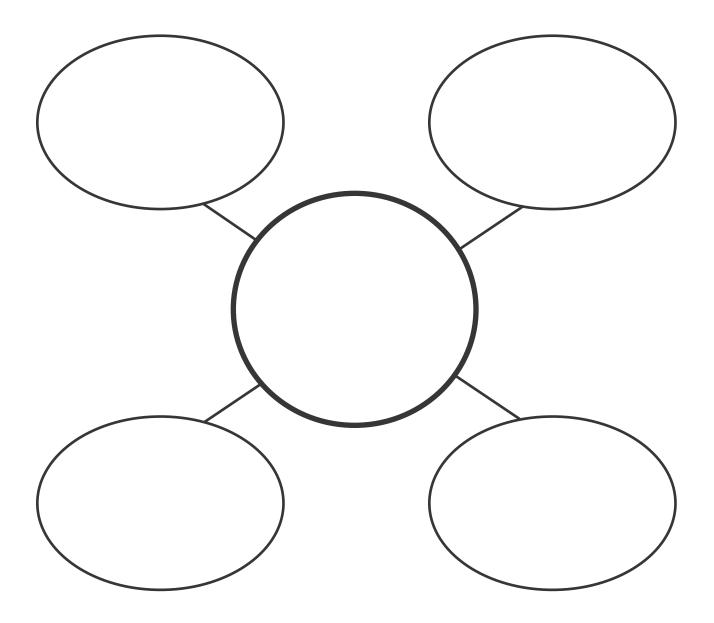
Teaching Tool **36** 

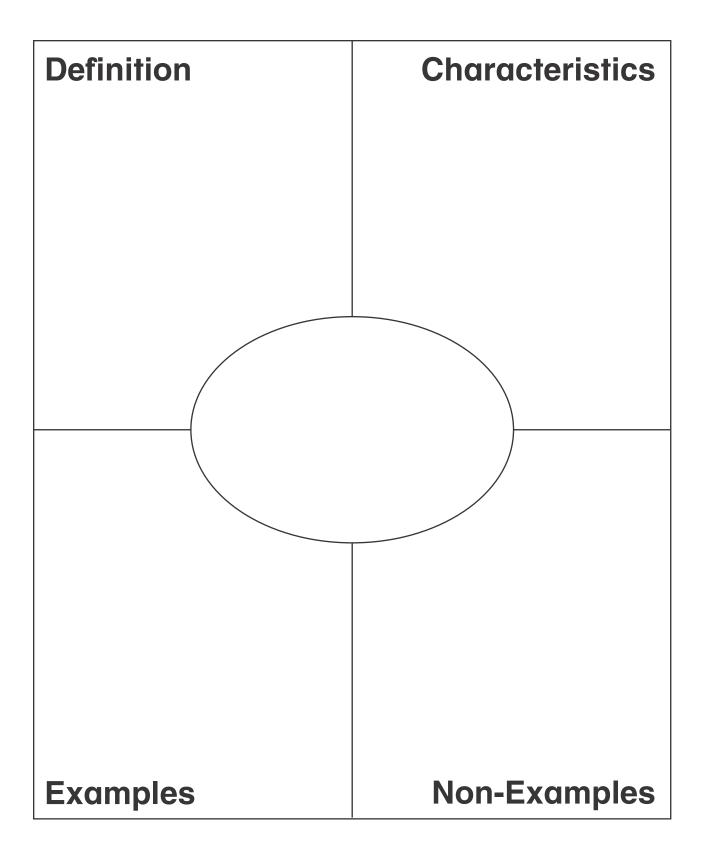
Word:

# Picture:

New Word	What It Means







Put a  $\checkmark$  in the circle if the answer is correct. Put an  $\checkmark$  in the circle if the answer is not correct. Shade boxes where circles are marked with a  $\checkmark$ .

Add and Subtract Within 10								
Fluency Subskills	Fluency Practice/Assessment							
1 locitoy oobskiiis	I	2	3	4	5	6		
Α	10	10	10	10	10	10		
Count to add.	2 0	2 0	2 0	2 0	2 0	2 0		
	3 🔾	3 🔾	3 🔾	3 🔾	3 🔾	3 🔾		
В	4 0	4 0	4 0	4 0	4 0	40		
Count to subtract.	5 🔾	5 🔾	5 🔾	5 🔾	5 🔾	5 🔾		
	6 0	6 0	60	6 0	60	60		
С	7 0	7 0	7 0	7 0	7 0	7 0		
Add doubles.	8 0	8 0	8 🔾	8 0	8 0	8 🔾		
	9 0	9 0	9 0	9 0	9 🔾	90		
D	10 🔾	10 🔾	10 🔾	10 🔾	10 🔾	10 0		
Add in any order.	110	110	110	110	110	110		
	12 0	12 0	12 0	12 0	12 0	12 0		
E	13 🔾	13 🔾	13 🔾	13 🔾	13 🔾	13 🔾		
Add near doubles.	140	140	140	140	140	140		
	15 🔾	15 🔾	15 🔾	15 🔾	15 🔾	15 🔾		
F	16 🔾	16 🔾	16 🔾	16 🔾	16 🔾	16 🔾		
Think addition	17 🔾	17 🔾	17 🔾	17 🔾	17 🔾	170		
to subtract.	18 🔾	18 🔾	18 🔾	18 🔾	18 🔾	18 🔾		

Name \_\_\_\_\_

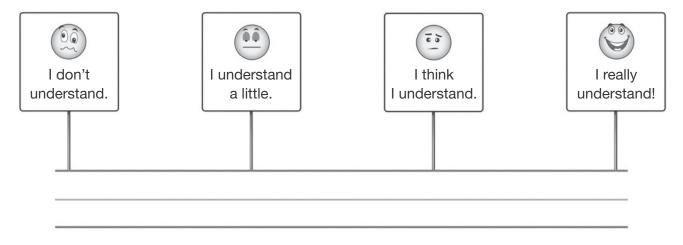
Teaching Tool
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+	0	I	2	3	4	5	6	7	8	9	10
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6	6	7	8	9	10						
7	7	8	9	10		•					
8	8	9	10		•						
9	9	10		•							
10	10		-								

## **Self-Assessment Tool**

I am on the road to understanding...

Mark an X on the road to show where you are.



**Road to Success** 

Explain the choice you made above.

To the teacher: Read the directions to the students. Let students respond orally, as needed.

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<b>Teaching Tool</b>
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## **Solve & Share Observation Tool**

Restate and comment Ask students to critique the reasoning of others.  Connect strategies Ask students to compare strategies.  Connect to prior knowledge and to new ideas Use students' work to make these connections explicit.	DISCUSS SOLUTION STRATEGIES AND KEY IDEAS	Save student work Keep a sample of each strategy for next year.  Save this sheet Cover columns 3 and 4 with a sticky note to write on next year.		Anticipate List likely solution strategies.  Monitor Add any other strategies as you observe students.	SOLUTION STRATEGIES
	ND KEY IDEAS	Problem Ask questions to see if students understand the problem. Strategy Ask what students did. Convincing Ask for justifications. Extending Ask for other strategies.		Ask assessing questions Assess what students know and can do.  Ask advancing questions Move students' thinking forward.	QUESTIONS TO ASSESS AND MOVE THINKING FORWARD
		Plan ahead Which 2 or 3 strategies will you ask students to present?		Record List students that used each strategy.	WHO AND WHAT
explicit.		Select Varied strategies Order Concrete to abstract; from old ideas to new		Select Circle presenters. Order Number presentations.	SELECT AND ORDER

Adapted from 5 Practices for Orchestrating Productive Mathematics Discussions by M. Smith & M. Stein, 2018

### $\bigcirc$

# **3-ACT MATH Recording Sheet**



I. What questions do you have?



2. Predict a reasonable answer to the Main Question. Why do you think that?





**3.** What information do you need?



**4.** Show how you can find the answer to the Main Question.





**5.** What is the answer shown in the video?



**6.** Does your answer match the Act 3 video? If not, explain why?



#### **SEQUEL**

7. Show how you would answer the Sequel.