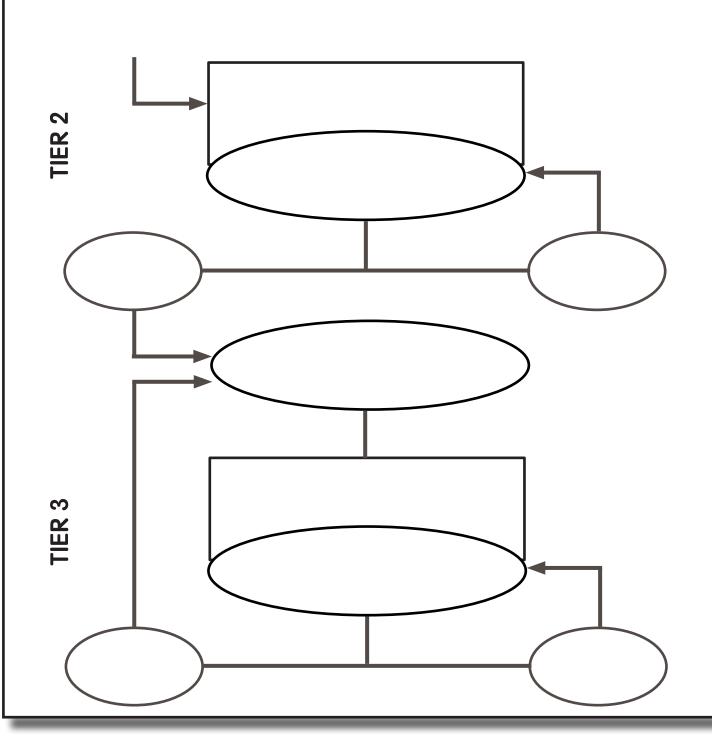
Evidence-Based Practices to Support Students with Mathematics Difficulties

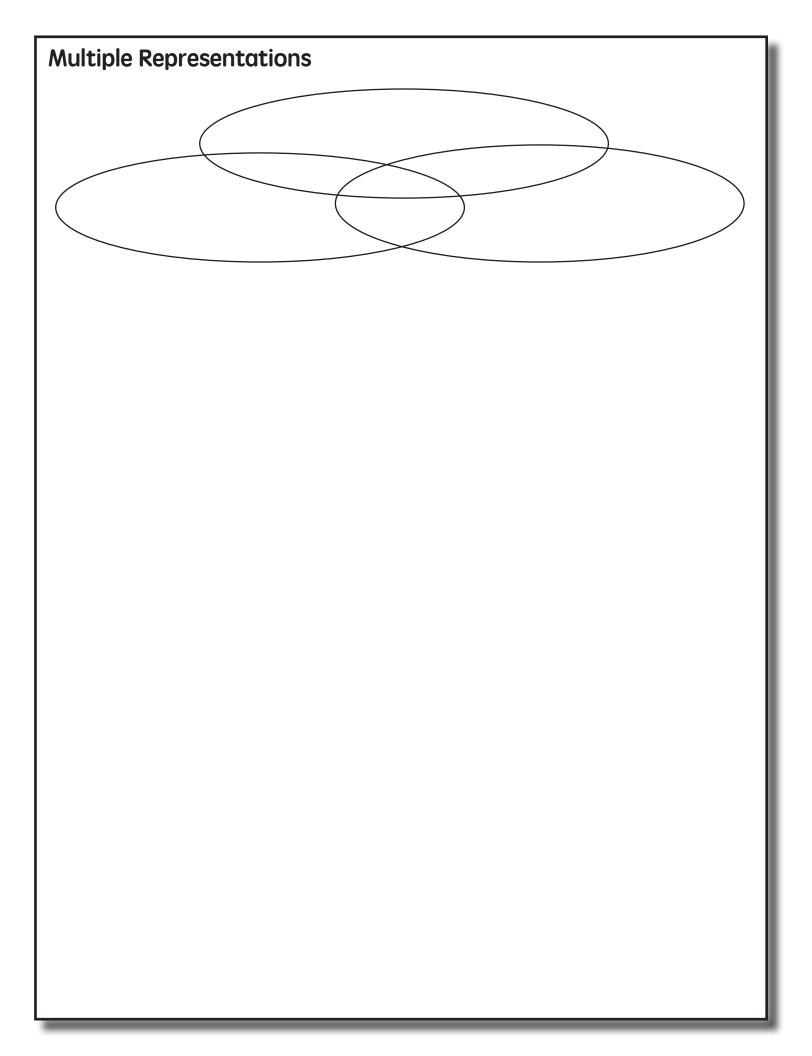
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MODELING	PRACTICE	
SUPPORTING PRACTICES		

1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.	 	 	

nstead of that	Say this	



Fractions

Three Models

Fraction	Length	Area	Set
3			
1 4			
1 1 2			
<u>3</u> 7			

Geometry

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Name	Properties	Examples
Equilateral		
Isosceles		
Scalene		
Acute		
Obtuse		
Right		

Quadrilaterals

Name	Properties	Examples
Parallelogram		
Rectangle		
Rhombus		
Square		
Trapezoid		

Concepts of Addition and Subtraction				
Addition	Subtraction			

Concepts of Multiplication and Division			
Multiplication	Division		

Three Things to Remember	r		
Attack Strategies			

Additive Word Problems

		, , , , , , , , , , , , , , , , , , ,		<u> </u>
Graphic organizer				
Equation				
		Lesser unknown	Change unknown	Change unknown
Examples	Part unknown	Greater unknown	Start unknown	Start unknown
	Total unknown	Difference unknown	End unknown	End unknown
Definition				
Problem type	Total	Difference	Change (increase)	Change (decrease)

Additive Word Problems

A. Megan baked 28 sugar cookies and 24 chocolate chip cookies. Enter the total number of cookies Megan baked in all.	B. Jana has 107 wooden beads and 68 glass beads. How many more wooden beads than glass beads does Jana have?
C. A bus had 13 passengers. At the next stop, more passengers got on the bus. Now, there are 28 passengers. How many passengers got on the bus?	D. Martina had some money. Then, she spent \$42 on a sweater. Now, she has \$13. How much money did she have to start with?

Multiplicative Word Problems

		Multiplicative vvo	1 4 1 1 0 5 10 11 10	
Graphic organizer				
Equation				
Examples				
Definition				
Problem type	Equal Groups	Comparison	Combinations	Ratios and Proportions

Multiplicative Word Problems			
A. Ms. Thompson sold 6 cartons of cherries at the Farmers' Market. Each carton holds 25 cherries. How many cherries did she sell?	B. Jane bought 24 light bulbs. The light bulbs come in packs of 4. How many packs of light blubs did Jane buy?		
C. Susan has 3 times as many books as Mary. Mary has 18 books. Which equation can be solved to figure out how many books Susan has?	D. There are 176 slices of bread in 8 loaves. If there are the same number of slices in each loaf, how many slices of bread are in 5 loaves?		

Adaptations					
Implement with greater fidelity					
Embed behavioral supports					
Increase dosage					
Adapt mathematics content					
Utilize explicit instruction					
Explicitly teach transfer					