6th Math to 7th Math Summer 2024

Rising 6<sup>th</sup> to 7<sup>th</sup> grader,

It is important to keep your math skills sharp. The attached packet was created to not only help you review 6<sup>th</sup> grade math skills but also help make the transition to 7<sup>th</sup> grade easier. To provide the maximum benefit, it would be best to complete one page (front/back) a week for 8 weeks of your choice over the course of the summer. I realize that things come up and some weeks it may not be possible to complete a page but there are more weeks in your summer than pages in this packet.

The material in this packet should be review and as such you should be able to complete almost all of the work independently.

The summer packet is due the first **full** day of school in August. Make sure to **document your thinking**, **work should be completed on these pages**. If you need more room, attach your work.

Have a great summer! Mrs. Woodard

## Complete below:

Mathematician:

Please indicate how you completed your summer work:

\_\_\_\_\_ Independently

\_\_\_\_\_ Independently, with a little outside help

\_\_\_\_\_ Received help from parent/sibling/etc to complete

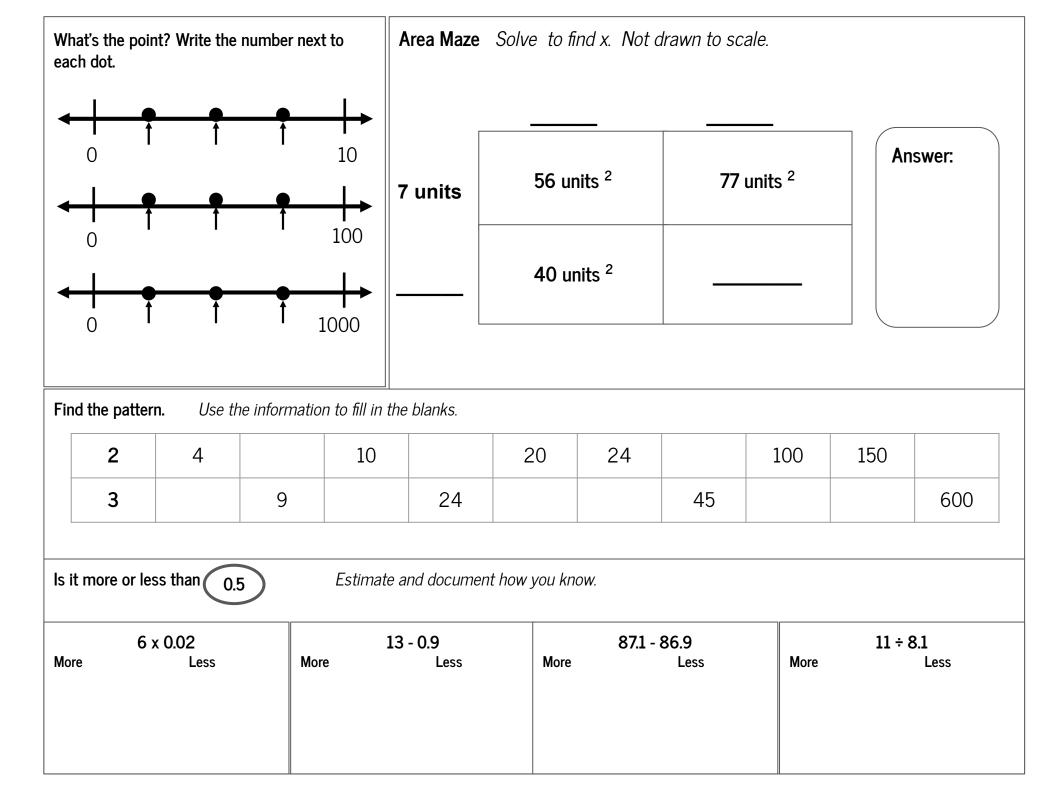
\_\_\_\_\_ Worked with a tutor to complete summer work

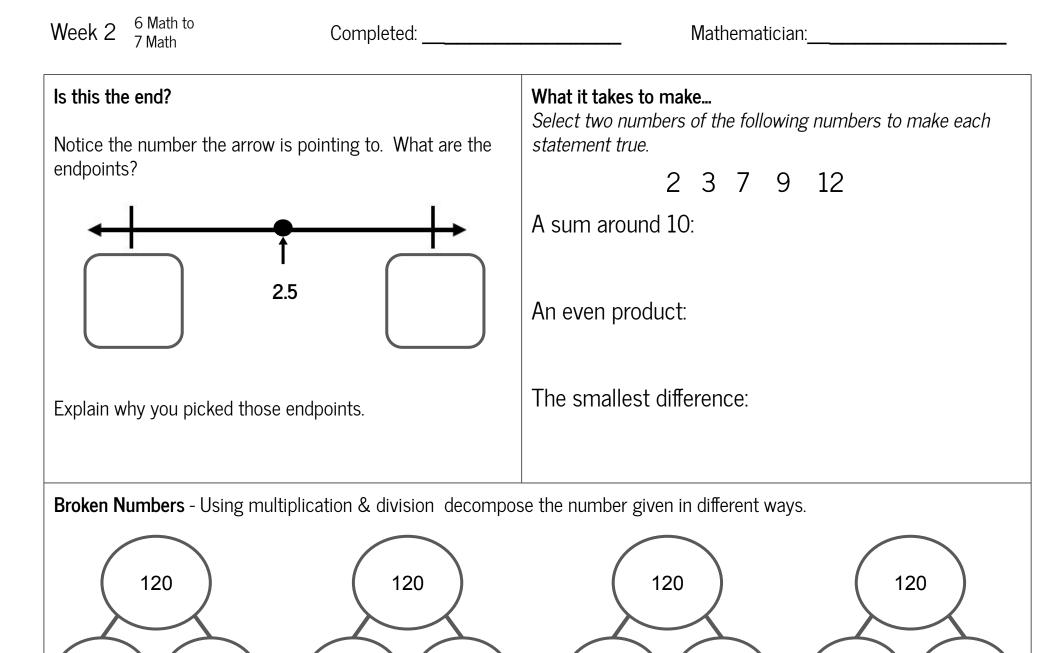
Name of tutor:\_\_\_\_\_

Week 1 6 Math to 7 Math

Completed: \_\_\_\_

	e point? Wr	rite the number	next to each c	lot.	Number String - Use what you know	to answer:
←		•	•	+→	4 x 25	
0	I	I	Ι	∎ 5	8 x 25	
	<b>.</b>		•	<b>→→</b>	10 x 25	
0	ſ	Î	Ĩ	1	15 x 25	
<b></b>		<b>?</b>		-+->	20 x 25	
0	I		I	0.5	19 x 25	
ibers.		ind a pair of numbers	that add & multiply	r to the given	<b>Two Truths and a Lie</b> Select the one that is not true and explain ye	our reasoning.
ibers.	Sum of (+)	Product of(x)		to the given	<b>Two Truths and a Lie</b> Select the one that is not true and explain ye <b>a.)</b> The opposite of -2 is 2.	
ibers.		Product of(x) 12	that add & multiply 3 & 4	to the given	<b>Two Truths and a Lie</b> Select the one that is not true and explain ye	
ibers.	Sum of (+)	Product of(x)		to the given	<b>Two Truths and a Lie</b> Select the one that is not true and explain ye <b>a.)</b> The opposite of -2 is 2.	se times height.
ibers.	Sum of (+) 7	Product of(x) 12		to the given	Two Truths and a Lie   Select the one that is not true and explain ye   a.) The opposite of -2 is 2.   b.) The area of a triangle is base	se times height.





**Two Columns** - *Is column A or column B greater or is it too close to call? Use estimation to decide, circle the larger, if it is too close to call circle both.* 

**Area Maze** Use what you know to figure out the missing parts. Figure not drawn to scale.

Column A	Column B		4 units	
1389 - 497	219 + 687		36 units <sup>2</sup>	
19 x 7	21 x 8			
700 ÷ 76	523 ÷ 25	5 units		40 units <sup>2</sup>

Decimal Arithmetics Add, Subtract, Multiply or Divide	Ratios -	
3.24 + 5.6 =	4 - 2.61 =	Select <b>all</b> the ratios that are equivalent to $8:6$
	1 2.01	A. 4 : 3
		В. 6:8
		C. 16 : 12
		D. 10 : 8
		E. 7 : 5
32.5 x 0.7 =	31.5 ÷ 0.6	Fractions -   What is ½ of 60?   What is ¼ of 60?   What is ¾ of 60?

Week 3 6 Math to Completed: \_\_\_\_\_

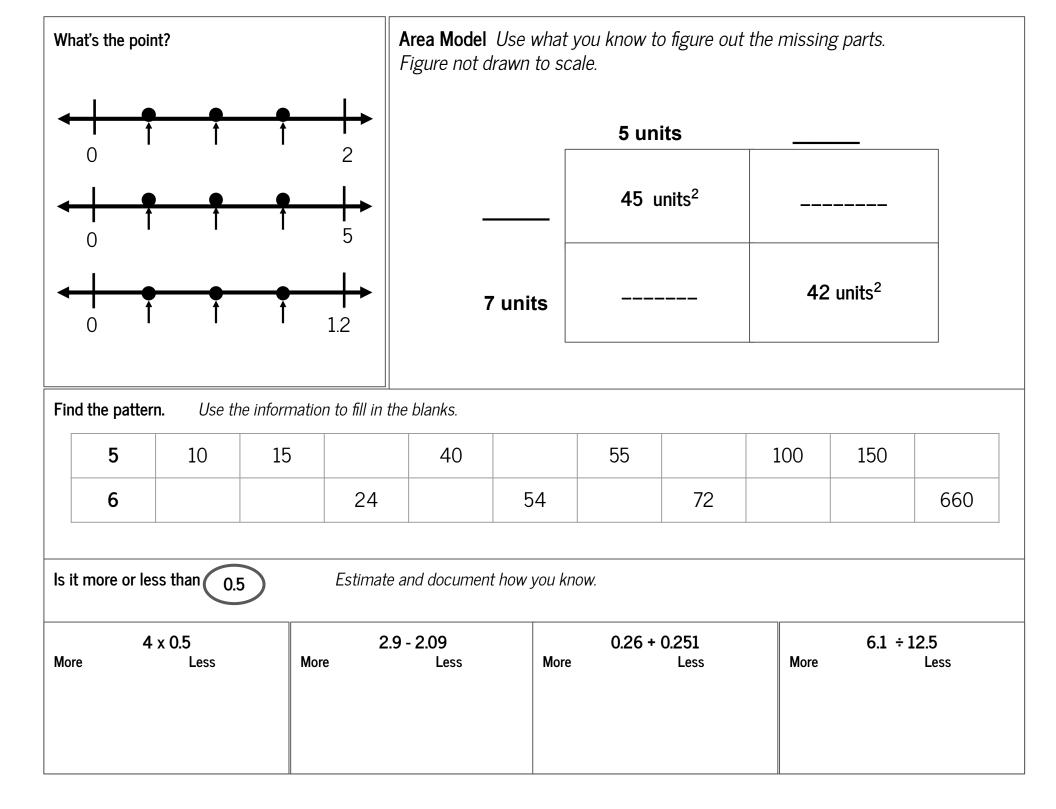
	<b>Jucts</b> Find a pair of num the given numbers.	nbers that <b>Ratios -</b> Complete the fo	ollowing ratios:
Sum of (+)	Product of (x)	3:4 =: 36	40:15 = 64:
5	6		
8	12	42:49 = 30:	33:22 =: 14
9	8		
13	30	Fraction Arithmetic - Ad	ld, subtract, multiply or divide.
20	100	$\frac{1}{2} + \frac{3}{4} =$	2 ½ + 1 1/3 =
umber String	- Use what you know	to answer:	
10 x 32	2	$\frac{3}{4} - \frac{1}{2} =$	4 - 1 1/3 =
5 x 32	2		
11 x 32	2		
20 x 3	2	$^{3}\!$	4 ½ x 2 ⅓ =
19 x 32	2		
25 x 32	2	$\frac{1}{2} \div \frac{3}{4} =$	$1\frac{1}{2} \div \frac{3}{4} =$
50 x 32	2		

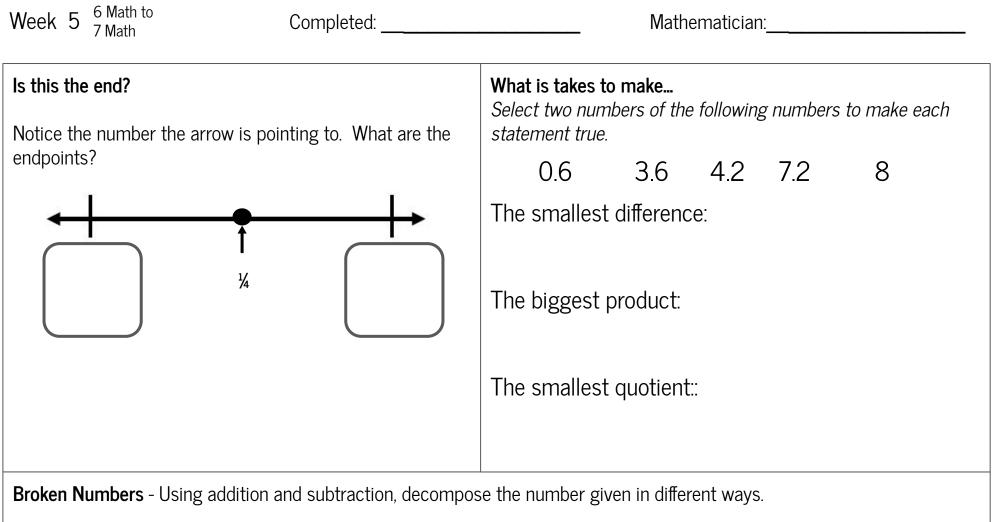
Fraction Arithmetic - Add, Subtract, Multiply or Divide						
$\frac{1}{2} + 3\frac{1}{3} = 4$	$\frac{2}{3} - 1\frac{1}{4} = \frac{5}{8} \times \frac{1}{2}$	ζ <sup>7</sup> ∕8 =	3 <sup>1</sup> / <sub>3</sub> ÷ <sup>2</sup> / <sub>3</sub> =			
Ratio - A mixture of purple paint contains 6 teaspoons of red paint and 15 teaspoons of blue paint. To make the same shade of purple						
paint using 35 teaspoons of blue pain much red paint would you need? Use double number line diagram to help i	t, how blue paint (teaspoons) the	0	15			
Fractions	Positive & Negative Num	bers				
What is ½ of 100?	Complete each state	ement be	elow.			
What is ¼ of 100?	The opposite of $-2$	is	The opposite of $\frac{5}{4}$ is			
What is ¾ of 100?	The opposite of -3	.4 is	The opposite of 0 is			

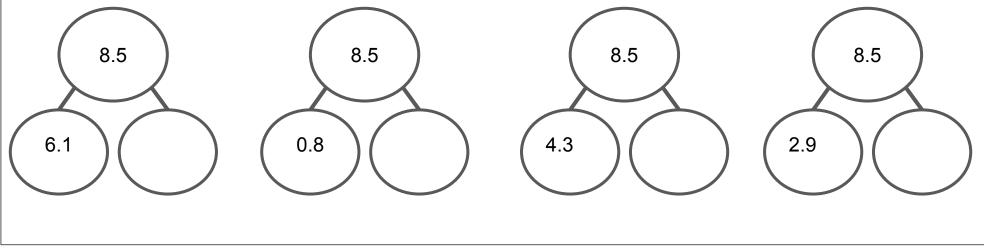
Week 4 <sup>6 Math to</sup> 7 Math

Completed:\_\_\_\_\_

What's	the point?				Number String - Use what you know	v to answer:
-		•	<b>•</b>	-+->	3 x 80	
	0	I	I	0.6	3 x 3	
-	<b>↓</b> •	•	<b>—</b>	-+->	3 x 83	
	0 T	Î	T	0.8	23 x 2	
-	<b>↓</b> •		<b>•</b>	+→	23 x 10	
	0		I	0.9		
					23 x 12	
Sums & numbers.		ind a pair of numbers th Product of (x)	nat add & multiply		23 x 12 <b>Two Truths and a Lie</b> <i>Select the one that is not greater than 50</i> Greater than 50:	and explain your reasoning.
			nat add & multiply		Two Truths and a Lie   Select the one that is not greater than 50	and explain your reasoning.
	Sum of (+)	Product of (x)	nat add & multiply		<b>Two Truths and a Lie</b> Select the one that is not greater than 50 Greater than 50:	and explain your reasoning.
	Sum of (+)	Product of (x) 24	nat add & multiply		Two Truths and a Lie   Select the one that is not greater than 50   Greater than 50:   a.) 2/3 x 90	and explain your reasoning.







<b>Two Columns</b> - Is column A it too close to call? Use es the larger, if it is too close a	timation to decide, circle	<b>Ratio</b> - The daily recommended allowance of vitamin C for a sixth grader is 45 mg. 1 orange has about <sup>3</sup> / <sub>4</sub> of the recommended daily allowance of vitamin C. How many milligrams are in 1 orange? If you get stuck, consider using the double number line or tape diagram.			
Column A	Column B				
0.2 x 0.4	0.3 x 2				
24.1 + 15.9	43.5 - 4.9				
12.6 ÷ 2	3 ÷ 0.4				
Switcharoo Write the word as the answer:	f problem that has the follow	wing number	Rate - While playing basketball, Ava's heart beat 80 times in 60 seconds. While running, her heart beat 21 times in 15 seconds. Which activity made Ava's heart beat faster? Explain your reasoning.		

Week 6 6 Math to 7 Math

Completed::\_\_\_\_

<b>Sums &amp; Products</b> Find a pair of numbers that add & multiply to the given numbers.		Exponents: Simplify.		Number String	Number String - Use what you know to answer:		
Sum of (+)	Product of (x)		32	4 <sup>3</sup>	7 - 5.7	7	=1.3
16	15			·	7.1		=1.3
16	28			-2	7.2		=1.3
12	32		9 <sup>2</sup>	5 <sup>3</sup>	6.2		=1.3
15	36				4.5		=1.3
17	42				3.1		=1.3
					2		=1.3
	many big dogs wo		at the dog p	bark and you count 12			n for 2 hours, how far
s it more or les	s than 1/2	Estimate a	and documer	nt how you know.			
3 Nore	x <sup>1</sup> ⁄3 Less	2 3 More	4 - 2 ½ Less	More	¼ + ¼ Less	More	4 ÷½ Less

Fractions - Shade in one of the regions in this square. What fraction of the big square did you shade?	ratio 3: 2: 1. If the p sides together) is 72 of each side. Side A Side B Side C	f a triangle are in the perimeter (all the 2 cm, find the length 72 cm 72 cm C	GCF & LCM - Find the GCF and LCM for 24 & 40.
Geometry: Miles says the area of his rect Cory says his triangle is also 20 cm <sup>2</sup> . Aft shapes, Cory changes his mind, saying, "I thing." What do you have to remember ab of triangles?	er looking at both forgot to do one	number is represent	

