## Summer Work Packet for MPH Math Classes

Practice for students going into Math 6 Sept. 2018

Name:	

To be prepared to jump right into things in Math 6, please spend time this summer practicing your math facts. When you begin  $6^{th}$  grade, you should know your addition, subtraction, multiplication, and division facts from 1-12. This means you should know the answer to problems like 9 x 7 or  $48 \div 12$  without spending time working them out.

Good ways to practice include flash cards or practicing with a parent or friend.

There are lots of websites and apps that you can use to help practice your facts. It will be important you are fluent with them in the fall! If you have any questions, you may email Mrs. Reeve at <a href="mailto:sreeve@mphschool.org">sreeve@mphschool.org</a>.

<b>Math 6 Summer Reading</b>	<b>June 2018</b>	Name:							
THE NUMBER DEVIL by Hans Magnus Enzenberger									
<b>Publisher:</b> Holt Paperbacks (	May 1, 2000) <b>I</b>	SBN-10: 0805062998 ISBN-13: 978-0805062991							
you will be developing, analyze starting point. You will need to are reading, briefly answer the	zing and writing read the <b>first</b> e following que	bout patterns and making connections. This year ag about mathematics and this book is a great to tour chapters of this book this summer. As you estions. Bring in this sheet with your answers to minder about what you read over the summer.							
1. What patterns are discussed may have many, some few, or		Describe them for each chapter. Some chapters							
First Night									
Second Night									
Third Night									

Fourth Night

2. Which new symbols did you learn about? What do they mean?

For the following questions, you may need to go back to the third chapter of THE NUMBER DEVIL. Feel free to use a calculator or spreadsheet.

Instructions to the composition question:

3.	What types	of numbers	are represented by	by the Prima	Donna numbers?

4. What are the characteristics of these numbers?

5. After reading the passage below, explain why, mathematically, Robert can't divide by zero.

Robert thought and thought. "The only way I can come up with," he said at last, "is to divide it by nineteen.

Or into nineteen equal parts."

-The Number Devil p.53-54

(You may write your answer here)

<sup>&</sup>quot;Doesn't count," the number devil replied. "It's too easy."

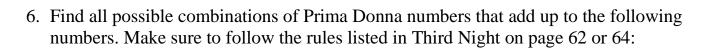
<sup>&</sup>quot;Or divide it by zero."

<sup>&</sup>quot;Out of the question."

<sup>&</sup>quot;Out of the question? Why?

<sup>&</sup>quot;Because it's forbidden. Dividing by zero is strictly forbidden."

<sup>&</sup>quot;What if I did it anyway?"



12 18 24

30 36 42

7. Notice you did not use any 2's. Why do you think this was the case?

