

June 2019

Dear Parent/Guardian,

Welcome to AMY Northwest Middle School! As the 6th grade math teacher, I am thrilled to have your student joining our community of learners in September. Middle school will be a new and exciting experience for students, as well as a time of transition and growth. To prepare students for the rigor of 6th grade math, I ask that they review 5th grade concepts over the summer. Students should come to school in September with the following skills:

- Understanding place value up to the hundred-thousands (and decimals to the hundredths)
- Multiplying multi-digit numbers using the traditional algorithm
- Dividing multi-digit numbers by a single- or double-digit number using the traditional algorithm
- Finding equivalent fractions
- Operations with fractions and decimals
- Determining what operation to use and completion of the operation from a word problem (whole numbers, fractions, and decimals)
- Find and label ordered pairs on a coordinate plane
- Differentiate between 2-dimensional shapes by their characteristics/properties (i.e. triangles, quadrilaterals)

There will be an assessment on these skills at the beginning of the year. A complete list of topics that students should have learned in 5th grade can be found at:

<http://www.corestandards.org/Math/Content/5/introduction/>.

To review these skills over the summer, students are encouraged to look at math materials from 5th grade, including textbooks and workbooks. There are many websites and online platforms that students can use to review these skills. I recommend the following:

- Khan Academy – <https://www.khanacademy.org/>
- Math Playground – <https://www.mathplayground.com/>
- IXL – <https://www.ixl.com/>
- Math Antics – <http://www.mathantics.com>

If you have any questions or concerns, please feel free to email me over the summer at ltessier@philasd.org. I am very much looking forward to working with your family next year!

Sincerely,
Ms. Louise Tessier
6th Grade Mathematics Teacher