

To Future Fifth Grade PACE students and parents:

I hope you are looking forward to fifth grade PACE.

Some **supplies** you will need for fifth grade PACE are: a 1-inch binder with dividers, at least one folder, pencils with erasers, black dry erase markers, and a sock to be used as your white board eraser. You might already be using some of these items in your fifth grade class, so just bring those instead of duplicating them for PACE.

To be ready for fifth grade PACE math, you should practice what you learned this year.

The most important topics to practice over the summer are:

- Whole numbers - Multiply and divide multi-digit whole numbers (for example - 238×54 and $1508 \div 26$); also understand place value as powers of ten ($3 \times 10^4 = 30,000$)
- Fractions - Add, subtract, and multiply fractions and mixed numbers with different denominators; understand Greatest Common Factor and Least Common Multiple
- Fraction division - divide a whole number by a unit fraction and vice versa (for example - 6 divided by $\frac{1}{3} = 18$ meaning "how many thirds are in 6 wholes?", or $\frac{1}{4}$ divided by 3 = $\frac{1}{12}$, meaning how large will each piece be if you divide $\frac{1}{4}$ into 3 parts?)
- Decimals - Compare, add, subtract, and multiply decimals (and simple division of decimals)
- Order of Operations
- Graphing ordered pairs on a coordinate grid (positive numbers only)

The only fifth grade topics not taught in fourth grade PACE are the geometric volume standards, (5.MD.3, 5.MD.4, and 5.MD.5) which are taught in fifth grade PACE.

To check what was taught in fourth grade PACE and what you'll learn in fifth grade PACE, please check out the K-5 (including PACE) Year-at-a-glance map on my website (Go to the EDMES page, then click on the Staff tab, and then find my name on the right and click on the webpage link. Once on my webpage, select the Resources and Favorite Links tab.

Some websites (search for the common core standard numbers in each one) to help you practice are:

Buzzmath - you have all been given a sheet with login information. If you have trouble getting on, please email me: mcataldo@sau10.org

Learnzillion - www.learnzillion.com

This site consists of step-by-step video lessons and some practice problems. You will need a free login to use this site.

Khan Academy - www.khanacademy.org

This site consists of step-by-step screencast lessons. You also need a free login. You can search by standard (use the full standard number (use 5.nf.a.1 instead of 5.nf.1), or you can go to the fifth grade page for a list of all math domains. To get to the fifth grade page, select the Learn tab at the top of the page, then go down to Math and then select Grade Level 5 at the bottom of the pop-up window.

You can also use the student links on my Portaportal (linked through my webpage or through the EDMES portaportal page. There you will find lots of math games.

If you have any questions throughout the summer, please email me at mcataldo@sau10.org.

Have a great summer! See you at the end of August.

Ms. Cataldo