

**Back by  
popular  
demand!**

# **Math Masters**

## **2017 Math Review Sessions**

**Numerous  
topics and  
grade  
levels!**

*Wish you had a way to give your student a head start in math for the new school year?*

- Review material forgotten over the summer
- Build confidence going into the new year
- **15** different courses of math review
- Fun environment including games, activities, and competitions
- Taught by SCPS's Jackie Wetmore, with 25 yrs. experience teaching 3rd-12th math

**Ages:** students entering 4th through 12th grades

**Dates:** July 24<sup>th</sup> – 28<sup>th</sup>

**Registration:** Register online at [mathmastersreview.wikispaces.com](http://mathmastersreview.wikispaces.com). Space is limited; classes will be filled in the order that registration forms are received. Each review will be offered only once, so register immediately for best selection. **Classes are open to SCPS and non-SCPS students alike.**

**Location:** SCPS Upper School, 1599 Chatham Parkway, Main Bldg., Room 18

**Please note:** These are intended to be *review* sessions of material already learned. However, students are welcome to attend sessions on material they have not previously learned to get ahead.

**Cost:** \$25 per session; \$70 for any three sessions; \$140 for any six; \$210 for any nine; \$280 for any twelve (discounted rates are per child and may not be combined between children). Once registered, if **before May 31st**, please send payment to: Jackie Wetmore, SCPS Upper School, P.O. Box 2848, Savannah, GA 31402. **Payment cannot be made online.**

**After May 31st**, please send payment to: Jackie Wetmore, 132 Captain John's Drive, Savannah, GA 31410. Children of SCPS staff receive a 10% discount.

**Refunds:** If you need to cancel your registration, you must do so by July 11<sup>th</sup> to receive a refund. Cancellations after July 11<sup>th</sup> and no shows will not receive a refund.

**Please make checks payable to:** SCPS

**Questions?** Please contact Jackie Wetmore at [jwetmore@savcps.com](mailto:jwetmore@savcps.com).

# Course Descriptions

**Session 1: Elementary Math Masters, Part 1** (offered Monday, July 24<sup>th</sup>, at 9:00 am)

Interpreting data from graphs; representing data with graphs; fractions – drawing fractional parts, equivalent fractions, expressing in simplest form, comparing and ordering, adding and subtracting; solving word problems

**Session 2: Elementary Math Masters, Part 2** (offered Monday, July 24<sup>th</sup>, at 10:00 am)

Adding and subtracting whole numbers, multiplying by 1 and 2 digit numbers, dividing 2 and 3 digit numbers by 1 digit divisors, translating words to numeric expressions, strategies for solving word problems

**Session 3: Elementary Math Masters, Part 3** (offered Monday, July 24<sup>th</sup>, at 11:00 am)

Place value – reading, writing, comparing, ordering, rounding; decimals – comparing, ordering, adding, subtracting, rounding; strategies for solving word problems; money word problems including computing price and making change

**Session 4: Conceptual Geometry Masters** (offered Tuesday, July 25<sup>th</sup>, at 9:00 am)

Perimeter and circumference; area of a circle, rectangle, square, triangle, parallelogram; volume of a cube, box, cylinder; complementary and supplementary angles; classifications of angles and triangles; symmetry

**Session 5: Probability and Statistics Masters** (offered Tuesday, July 25<sup>th</sup>, at 10:00 am)

Mean, median, mode, range, interpreting data from graphs, real world data experiment (with Skittles) to create data and graphs, sample space, fundamental counting principal, probability of an event

**Session 6: Advanced Decimals Masters** (offered Tuesday, July 25<sup>th</sup>, at 11:00 am)

Decimal place value; adding, subtracting, and multiplying decimals; dividing decimals by whole numbers; dividing decimals by decimal numbers; converting between decimals and fractions

**Session 7: Advanced Fractions Masters** (offered Wednesday, July 26<sup>th</sup>, at 9:00 am)

Adding and subtracting with and without a common denominator, multiplying and dividing, converting between improper fractions and mixed numbers; adding, subtracting, multiplying, and dividing mixed numbers

**Session 8: Integers Masters (operations with positive & negative numbers)** (offered Wed., July 26<sup>th</sup>, at 10:00 am)

Adding, subtracting, multiplying, and dividing positive and negative numbers; Integers on the number line; comparing and ordering; absolute value; plotting positive and negative ordered pairs in the x-y plane

**Session 9: Percents Masters** (offered Wednesday, July 26<sup>th</sup>, at 11:00 am)

Converting between decimals and percents; converting between fractions and percents; finding three types of missing components in percent problems; word problems calculating tax, total price, and sales prices

**Session 10: Pre-Algebra Masters, Part 1** (offered Thursday, July 27<sup>th</sup>, at 9:00 am)

Solving one-step equations; solving two-step equations with addition/subtraction and multiplication/division; order of operations; evaluating algebraic expressions; radicals; exponents

**Session 11: Pre-Algebra Masters, Part 2** (offered Thursday, July 27<sup>th</sup>, at 10:00 am)

Polynomials; identifying like terms and combining like terms; adding and subtracting polynomials; Distributive Property; rules for exponents; multiplying polynomials; multiplying binomials by FOIL method; Pythagorean Theorem

**Session 12: Word Problem Masters** (offered Thursday, July 27<sup>th</sup>, at 11:00 am)

Strategies for setting up and solving word problems, translating word phrases into variable expressions, creating equations to fit real world data (math modeling), graphing with x/y chart, graphing with graphing calculator

**Session 13: Algebra Masters, Part 1 (this content also on SAT/PSAT)** (offered Friday, July 28<sup>th</sup>, at 9:00 am)

Slope, creating equations of lines, slope-intercept form, point-slope form, standard form, functions, domain, range, x-intercept, y-intercept, graphing linear equations, graphing linear inequalities

**Session 14: Algebra Masters, Part 2 (this content also on SAT/PSAT)** (offered Friday, July 28<sup>th</sup>, at 10:00am)

Solving various types of equations for unknown - proportions, linear equations, rational equations, absolute value equations, radical equations, quadratic equations; systems of equations; systems of linear inequalities

**Session 15: Algebra Masters, Part 3 (this content also on SAT/PSAT)** (offered Friday, July 28<sup>th</sup>, at 11:00am)

Factoring, greatest common factor, binomial factoring (difference of squares, difference of cubes, sum of cubes), trinomial factoring, factoring by grouping, Quadratic Formula

## What parents of previous students are saying:

“My son came home and actually asked why I had not signed him up for more sessions! He not only enjoyed being in the review class with friends, which made it more fun and comfortable for learning, he really liked the way the review was taught on a level which was understandable. He even enjoyed the competitions and was proud when he told me he got the problem correct. . !”

“My child had a blast and learned so much! He particularly enjoyed the games and competitions that made learning fun! Thank you!”

“Because the kids were still in summer mode, I think it was great that it was relaxed, fun, and educational – all at the same time.”

***100% of parents said they felt the sessions gave their students a head start in math for the school year and increased their confidence in math!\****

“My son thoroughly enjoyed it and will be attending next year. Please have these sessions again.”

“My children both really enjoyed the sessions and wished that I had signed them up for more. I think this was an excellent idea. It really was an excellent refresher and helped them remember things they may have forgotten.”

“I am pleased we made the decision for our daughter to attend the math sessions. The review gave her confidence for beginning 6<sup>th</sup> grade. Even though she was doing “school work,” she was having fun while learning.”

***92% were highly likely to recommend the sessions to a friend!\****

“I think this was such a wonderful idea! I am thrilled that these were offered to help refresh or pre-teach math concepts. Both of my sons attended multiple sessions. They enjoyed them and spoke very highly of Ms. Wetmore. It was amazing that they enjoyed them because prior to attending, they were furious that I signed them up for math during the summer!”

\*Based on parents’ voluntary responses from end-of-session survey

## What courses should I sign my student up for?

The following table shows the approximate\* session content covered in grade level math courses, showing topics learned this year that need review for next year, and additional content to be learned next year. Remember sessions are intended for review of content already learned. However, students may attend sessions on material they have not previously learned for enrichment. For example, if your student was a rising 5<sup>th</sup> grader, Sessions 1-3 would be completely review; Sessions 4-8 would be part review and part enrichment, and would be content they would be learning this upcoming school year; and Sessions 8-15 would be nearly all enrichment, content they would learn in future years.

\*may vary from year-to-year, from instructor-to-instructor, and from school-to-school

● = all or nearly all   ● = more than half   ◐ = approximately half   ◑ = less than half   ○ = nearly not at all or not at all

	3 <sup>rd</sup> grade	4 <sup>th</sup> grade	5 <sup>th</sup> grade	6 <sup>th</sup>	Accel 6 <sup>th</sup>	7 <sup>th</sup>	Accel 7 <sup>th</sup>	8 <sup>th</sup>	Accel 8 <sup>th</sup>	Honors 8 <sup>th</sup> Alg	Alg I	Alg 2 & above
Session 1	●	●	●	●	●	●	●	●	●	●	●	●
Session 2	◐	●	●	●	●	●	●	●	●	●	●	●
Session 3	◐	●	●	●	●	●	●	●	●	●	●	●
Session 4	◑	◑	●	●	●	●	●	●	●	●	●	●
Session 5	◑	◑	●	●	●	●	●	●	●	●	●	●
Session 6	◑	◑	◐	●	●	●	●	●	●	●	●	●
Session 7	○	◑	●	●	●	●	●	●	●	●	●	●
Session 8	○	○	●	●	●	●	●	●	●	●	●	●
Session 9	○	○	◑	●	●	●	●	●	●	●	●	●
Session 10	○	○	◑	◐	●	●	●	●	●	●	●	●
Session 11	○	○	○	○	◑	◑	●	●	●	●	●	●
Session 12	○	○	○	◑	◑	◑	●	●	●	●	●	●
Session 13	○	○	○	○	◑	◑	◑	◑	●	●	●	●
Session 14	○	○	○	○	○	○	○	○	◐	●	●	●
Session 15	○	○	○	○	○	○	○	○	◑	●	●	●

