

Why Math Facts Rule

Math Fact Automaticity, the ability to immediately recognize addition, subtraction, multiplication, and division of numbers 0 through 12, takes practice. Automaticity allows students to focus their mental energies on the demands of more difficult math concepts. Just as a student cannot appreciate great works of literature if she is consumed with phonetically “sounding out” the words on the page, a student cannot fully grasp complex mathematical concepts if his mind is consumed with the simple arithmetic involved. In addition (no pun intended), math fact automaticity saves students from frustration and simple errors as math concepts become more challenging.

Speed Goals are established for all grades at Liberty Common Elementary School –to help students develop math fact automaticity. Below are Liberty’s math fact speed goals.

NOTE: FPM = Facts Per Minute

Grade	Addition	Subtraction	Multiplication	Division
K	Not Tested	Not Tested	Not Tested	Not Tested
1*	Not Timed to 9+9	Not Timed to 18-9	Not Tested	Not Tested
2**	20 FPM to 9+9	20 FPM to 18-9	Not Tested	Not Tested
3	20 FPM to 9+9	20 FPM to 18-9	15 FPM to 9×9	15 FPM to 81÷9
4	25 FPM to 10+10	25 FPM to 18-9	20 FPM to 12×12	18 FPM to 144÷12
5	30 FPM to 10+10	30 FPM to 20-10	25 FPM to 12×12	25 FPM to 144÷12
6	35 FPM to 12+12	35 FPM to 20-10	35 FPM to 12×12	35 FPM to 144÷12

* 1st Grade tests are limited to 15 min. and number lines are not available during the second semester

** 2nd Grade only tests during the second semester

Any basketball coach will confirm, the way to become expert at free-throws is to practice until the skill is automatic. Similarly, the way to become fluent in math facts is with practice! We recommend= www.Mobymax.com/co990 for extra practice at home. A couple of fun sites for games are www.apples4theteacher.com (math/operations games) and www.coolmathgames.com (numbers, addition/subtraction or multiplication/division). “Facts in a Flash” is a free app which can be downloaded to mobile devices for practice in the car, too.

Math facts are practiced in class, but your child’s continued practice at home with your support will increase your child’s success in math!