

Math Fluency

Grade 4

Dear Parents and Guardians,

It is expected that each student has already memorized all of the addition and subtraction math facts through 10. In third grade students should have also memorized their multiplication facts through 10. This year students will be working to maintain their multiplication and division fact fluency skills. We take two one-minute timed tests each week with 20 questions on each test. The rubric opposite this page shows the progress students must make during each grading period in order to meet grade level expectations. Your child will need to study these facts each day. Some methods for studying include, but are not limited to: using and multiplication/division cards or fact triangles, playing math fact games online, working in the purple math fluency packet at home, and practicing verbally with a parent. Tests will begin multiplying and dividing 0, 1, and 2 the second week of school. Please see the rubric on the back of this paper to understand when students will be expected to know specific facts.

Thank you,
Ms. Betlach

		Fall	Winter	Spring
		Mastery of all:	Mastery of all:	Mastery of all:
4	×	Multiplication facts 0s through 12s	Multiplication facts 0s through 12s <i>in less than 60 seconds</i>	Multiplication facts 0s through 12s <i>in less than 60 seconds</i>
	÷	Division facts 0s through 12s	Division facts 0s through 12s <i>in less than 60 seconds</i>	Division facts 0s through 12s <i>in less than 60 seconds</i>
3	×	Multiplication facts 0s through 10s	Multiplication facts 0s through 10s	Multiplication facts 0s through 10s
	÷	Division facts 0s through 10s	Division facts 0s through 10s	Division facts 0s through 10s
2	×	Multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s	Multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s	Multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s, 8s
	÷	Division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s	Division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s	Division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s, 8s
1	×	Not yet achieved mastery of all multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s	Not yet achieved mastery of all multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s	Not yet achieved mastery of all multiplication facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s, 8s
	÷	Not yet achieved mastery of all division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s	Not yet achieved mastery of all division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s	Not yet achieved mastery of all division facts 0s, 1s, 2s, 5s, 10s, 3s, 4s, 6s, 7s, 8s

Multiplication and division assessments have been developed based on teaching the fact families in the following order: 0, 1, 2, 5, 10, 3, 4, 6, 7, 8, 9, 11, 12

