

## Grade 2 Math Fluency Quarterly Expectations

2.OA.B.2 Fluently add and subtract within 20 using mental strategies.

By end of Grade 2, know from memory all sums of two one-digit numbers.

**Each quarter, students will be assessed on their ability to meet end of the year expectations.**

When?	What?	How Assessed?	How scored?
End of Quarter 1	Review sums and differences to 10 Fluently subtract from 10, relating addition to subtraction <b>AND</b> Adding 10 to a single digit number	Observation in classroom performance  Individual Assessments  Fact Fluency Summative	<i>Assessment: 3 minutes to complete 28 mixed problems</i> <b>ADDITION/SUBTRACTION</b> <i>(within 20):</i> (Any problem not completed within the initial time allotment is considered an error.) <b>EXT</b> = 0 errors on addition/subtraction problems and some problems answered correctly on the extending section <b>MTG</b> = 0 or 1 error on addition/subtraction problems; score on extending section does not count <b>DEV</b> = 2-4 errors on addition/subtraction problems; score on apple extending does not count <b>BEG</b> = more than 4 errors on addition/subtraction problems; score on extending section does not count
End of Quarter 2	Quarter 1 expectations <b>AND</b> Adding 9 to a single digit number	Observation in classroom performance  Individual Assessments  Fact Fluency Summative	<i>Assessment: 15 multi-digit mixed problems</i> <b>ADDITION/SUBTRACTION</b> <i>(within 100):</i> <b>EXT</b> = 0 errors on problems and some problems answered correctly on the extending section <b>MTG</b> = 0 or 1 error on problems; score on extending section does not count <b>DEV</b> = 2-4 errors on problems; score on extending section does not count <b>BEG</b> = more than 4 errors on problems; score on extending section does not count
End of Quarter 3	Quarter 2 Expectations <b>AND</b> Doubles and doubles +/- 1 Fluently subtract doubles, relating addition to subtraction	Observation in classroom performance  Individual Assessments  Fact Fluency Summative	<i>Assessment: 15 multi-digit mixed problems</i> <b>ADDITION/SUBTRACTION</b> <i>(within 100):</i> <b>EXT</b> = 0 errors on problems and some problems answered correctly on the extending section <b>MTG</b> = 0 or 1 error on problems; score on extending section does not count <b>DEV</b> = 2-4 errors on problems; score on extending section does not count <b>BEG</b> = more than 4 errors on problems; score on extending section does not count
End of Quarter 4	Quarter 3 Expectations <b>AND</b> Sums & differences of two-digit numbers, relating addition to subtraction (stacked and horizontal form)	Observation in classroom performance  Individual Assessments  Fact Fluency Summative	<i>Assessment: 15 multi-digit mixed problems</i> <b>ADDITION/SUBTRACTION</b> <i>(within 100):</i> <b>EXT</b> = 0 errors on problems and some problems answered correctly on the extending section <b>MTG</b> = 0 or 1 error on problems; score on extending section does not count <b>DEV</b> = 2-4 errors on problems; score on extending section does not count <b>BEG</b> = more than 4 errors on problems; score on extending section does not count

<http://www.gcamath.com/fact-fluency.html>

<http://www.techcoachcorner2.org/mathfacts.html>

<http://jmathpage.com/>