

Grade 6 Math Fluency Expectations

6.NS.B.2 Fluently divide multi-digit numbers using the standard algorithm.

6.NS.B.3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.

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	Divide multi-digit numbers AND add, subtract, multiply, and divide multi-digit decimals	Observation in classroom Individual Assessment Fact Fluency Summative	<i>Assessment (part 1):</i> <ul style="list-style-type: none"> • twelve addition & subtraction problems • timed about fifteen minutes ADDITION & SUBTRACTION: EXT = 0 errors on addition /subtraction problems and some answered correctly on apple section MTG = 0 to 2 errors on addition/subtraction problems; score on apple section does not count DEV = 3 to 4 errors on addition/subtraction problems; score on apple section does not count BEG = +4 errors on addition/subtraction problems; score on apple section does not count
End of Quarter 2	Divide multi-digit numbers AND add, subtract, multiply, and divide multi-digit decimals	Observation in classroom Individual Assessment Fact Fluency Summative	<i>Assessment (part 2):</i> <ul style="list-style-type: none"> • 15 multiplication & division problems • timed about fifteen minutes EXT = 0 errors on multiplication / division problems and some answered correctly on apple section MTG = 0 to 3 errors on multiplication/division problems; score on apple section does not count DEV = 4 to 5 errors on multiplication/division problems; score on apple section does not count BEG = +5 errors on multiplication/division problems; score on apple section does not count
End of Quarter 3	Divide multi-digit numbers AND add, subtract, multiply, and divide multi-digit decimals	Observation in classroom Individual Assessment Fact Fluency Summative	<i>Assessment (part 1):</i> <ul style="list-style-type: none"> • twelve addition & subtraction problems • timed about fifteen minutes ADDITION & SUBTRACTION: EXT = 0 errors on addition /subtraction problems and some answered correctly on apple section MTG = 0 to 2 errors on addition/subtraction problems; score on apple section does not count DEV = 3 to 4 errors on addition/subtraction problems; score on apple section does not count BEG = +4 errors on addition/subtraction problems; score on apple section does not count
End of Quarter 4	Divide multi-digit numbers AND add, subtract, multiply, and divide multi-digit decimals	Observation in classroom Individual Assessment Fact Fluency Summative	<i>Assessment (part 2):</i> <ul style="list-style-type: none"> • 15 multiplication & division problems • timed about fifteen minutes EXT = 0 errors on multiplication / division problems and some answered correctly on apple section MTG = 0 to 3 errors on multiplication/division problems; score on apple section does not count DEV = 4 to 5 errors on multiplication/division problems; score on apple section does not count BEG = +5 errors on multiplication/division problems; score on apple section does not count

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

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

<http://jmathpage.com/>