

Fourth Grade

Math Learning Progression

Vocabulary: array, place value, decimal point, digits, distributive property, factor, columns skip counting, expanded form

Represent multiplication as repeated addition, arrays, counting by multiples, and equal jumps on the number line through 1000

"I can show multiplication as repeated addition using arrays, skip counting, or the number line and add any double- or triple-digit number pairs."

Formative Assessments:
Color Tiles
Number Pattern charts
Number lines

Recognize, demonstrate and explain place value columns to the left of the decimal point and break double digit numbers apart

"I can recognize, demonstrate and explain place value columns to the left of the decimal point and break double digit numbers apart."

Formative Assessments:
Place Value Charts
Double-Nine Dominoes
Base Ten Blocks
Mini-White Boards

Quickly recall multiplication facts for which one factor is 2, 3, 4, 5, 7, or 9 and the related division facts.

"I can quickly recall multiplication facts for which one factor is 2, 3, 4, 5, 7, or 9 and the related division facts."

Formative Assessments:
Number Pattern charts
100s chart
Verbal "Count Outs"
Mini-Tables Quizzes
Full Multiplication tables

4.1.A
Quickly recall multiplication facts through 12 X 12 and the related division facts.

"I can quickly recall multiplication facts through 12 X 12 and the related division facts."

Formative Assessments:
Number Pattern charts
Verbal "Count Outs"
Mini-Tables Quizzes
Full Multiplication tables

Multiply any number from 11 through 19 by a single- or double-digit number using the distributive property and place value

"I can multiply any number from 11 through 19 by a single- or double-digit number using the distributive property and place value."

Formative Assessments:
Place Value Charts
Double-Nine Dominoes
Base Ten Blocks
Mini-White Boards

4.1.C
Represent multiplication of a two-digit number by a two-digit number with place value models.
CCSSM 4.NBT.5