TEACH TRANSFORM

Start Quick and Ramp It Up! Multiplication Overview

Activity	Content	Student Process
4.M.1 Ramp Up	Two-digit multiplication Estimation	Use base-ten blocks, grid paper, and area models to multiply.
4.M.2 Ramp Up	Two-digit multiplication Estimation	Use base-ten blocks, grid paper, and area models to multiply.
4.M.3 Ramp Up	Two-digit multiplication Estimation	Use area models, partial products, and the standard algorithm to multiply.
4.M.4 Ramp Up	Two-digit multiplication	Use area models, partial products, and the standard algorithm to multiply. Find and correct arithmetic mistakes.
4.M.5 Ramp Up	Two-digit multiplication with numbers that make perfect squares	Use base-ten blocks and grid paper models to multiply.
4.M.6 Ramp Up	Three-digit by one-digit multiplication	Use area models, partial products, and the standard algorithm to multiply.
4.M.7 Ramp Up	Three-digit by one-digit multiplication	Use partial products and the standard algorithm to find and correct arithmetic mistakes.
4.M.8 Ramp Up	Four-digit by one-digit multiplication	Use area models, partial products, and the standard algorithm to multiply.
4.M.9 Ramp Up	Four-digit by one-digit multiplication	Use partial products to solve word problems that comprise an ongoing story. Find and correct arithmetic mistakes.
4.M.10 Ramp Up	Multiplication by 10 and 100	Use grid paper and mental math models to develop an understanding of patterns in multiplication.
4.M.11 Ramp Up	Simplification using associative, commutative, and distributive properties	Solve problem sets in order to develop understanding of the associative, commutative, and distributive properties.
4.M.12 Ramp Up	Simplification using associative, commutative, and distributive properties	Participate in a memory game to prove the equivalence of numerical expressions using the associative, commutative, and distributive properties.