



UNDERSTANDING THE MAJOR WORK OF THE 3–5 GRADE BAND

TIME	AGENDA	DESCRIPTION
Zoom Session 1 2 hours	Developing Conceptual Understanding of Multiplication and Division Understanding and Applying Unit Form	During the first virtual PD session, participants will <ul style="list-style-type: none"> • experience the development of the meanings of factors, • study the array model as an efficient tool to represent equal groups, • use the meanings of factors to interpret division as an unknown-factor problem, • establish the unit as a big idea spanning Grades K–5, and • use place value units and the array model to multiply and divide multi-digit numbers.
Interim Work and Lunch Break 2 hours	Professional Reading — K–5 Number and Operations in Base Ten Progressions Protocol — Digging into a Vignette: Question the Author Protocol — Analyzing Complexities	To prepare for the second virtual PD session, participants will <ul style="list-style-type: none"> • read about the progression of place value units in Grades K–5, • read the Question the Author protocol and practice it with the Grade 3 Module 3 Lesson 19 Concept Development, and • read the Analyzing Complexities protocol and practice it with the Grade 3 Module 3 Lesson 19 Problem Set.
Zoom Session 2 2 hours	Understanding and Applying the Distributive Property Multiplying Fractions and Decimals	During the second virtual PD session, participants will <ul style="list-style-type: none"> • study the progression of the distributive property through concrete, pictorial, and symbolic representations, • apply the distributive property to multiply by using the area model, • apply previous understandings of multiplication to multiply a whole number by a fraction by using repeated addition, • compare models representing multiplication of a whole number by a fraction and multiplying a fraction by a whole number, • study the progression of finding a fraction of a whole number to finding a fraction of a fraction and relate that understanding to multiply decimals, and • apply the area model to find the area of rectangles with fractional side lengths.