



**PROFESSIONAL  
DEVELOPMENT**



## **EUREKA MATH® TEKS EDITION UNDERSTANDING THE MAJOR WORK OF THE GRADE BAND 3-5**

### **TIME**

### **AGENDA**

### **DESCRIPTION**

3 Hours

**Developing a Conceptual Understanding of Multiplication and Division**

**Applying Place Value Units to Multiply and Divide**

**During the first half of the session, participants will:**

- understand that units are things that can be counted, composed, and decomposed,
- understand the meaning of factors using arrays,
- recognize division as unknown factor problems,
- use the distributive property,
- consider the Concrete to Pictorial Representations with Multiplication and Division, and
- use the Area Model to Represent Multiplication.

3 Hours

**Multiplying Fractions and Decimals**

**Collaborative and Independent Planning**

**Conclusion/Q&A**

**During the second half of the session, participants will:**

- recognize fraction multiplication as repeated addition,
- compare expectations of each grade level,
- study and practice measurement and partitive division,
- multiply fractions by fractions,
- relate multiplying fractions by using the area model,
- determine the area of rectangles with fractional side lengths,
- note how the mathematics of the 3-5 grade band helps to prepare students for Grade 6, and
- complete a collaborative lesson analysis.