



PROFESSIONAL DEVELOPMENT



EUREKA MATH® TEKS EDITION UNDERSTANDING THE MAJOR WORK OF THE K–2 GRADE BAND: A STORY OF UNITS®

Session Objectives:

Participants will understand

- explore the big idea of the unit and work with unit language,
- study the four components of the number core and their relationship to addition and subtraction,
- investigate the three levels of problem solving for addition and subtraction,
- review the progression of strategies for composition and decomposition and their relationship to place value, and
- practice with physical and written representations of the standard algorithms for addition and subtraction.

TIME	AGENDA	DESCRIPTION
Zoom Session 1 2 hours	Number Core Three Levels of Problem Solving for Addition Progression of Strategies for Addition Standard Algorithm for Addition	During the first virtual PD session, participants will <ul style="list-style-type: none"> • deepen their understanding of the four aspects of the number core and their relationship to addition, • use the make ten addition strategy and the skills it requires, • study concrete and pictorial representations that build conceptual understanding of addition, and • relate physical and written representations of the standard algorithms for addition.
Interim Work and Lunch Break 2 hours	Professional Reading Grade Level Problems	To prepare for the second virtual PD session, participants will <ul style="list-style-type: none"> • read the Appendix, “Counting Strategies,” • reflect on the relationship between addition and subtraction, and • apply strategies from session 1 to grade level problems.
Zoom Session 2 2 hours	Three Levels of Problem Solving for Subtraction Progression of Strategies for Subtraction Standard Algorithm for Subtraction Summary of Session	During the second virtual PD session, participants will <ul style="list-style-type: none"> • use take from ten subtraction strategies and the skills they require, • study concrete and pictorial representations that build conceptual understanding of subtraction, • relate physical and written representations of the standard algorithms for subtraction, and • synthesize the learning of the day through problem solving.