

INTEGERS

INT1–3 Pre-Assessment

INT1–3 Pre-Assessment Answer Key

Unit [Standards]	Goals [Pre-Assessment problem(s)]
INT 1 Introduction to Integers <i>[6.NS.C]</i>	• Use number lines and contexts to make sense of integers, comparing and ordering them using inequality statements. [1, 2, 3, 4] • Understand and explain the concepts of opposites and absolute value. [5] • Graph integers on the number line and ordered pairs of integers in the coordinate plane. [1, 6, 7] • Explain thinking about integer concepts and inequalities, and solve non-routine problems. [7]
INT 2 Integer Addition and Subtraction <i>[7.NS.A]</i>	• Use a manipulative and visuals to generate results for integer expressions in order to derive the rules for adding and subtracting integers. [1, 2, 3] • Explain why the addition and subtraction rules for integers make sense using the manipulative and meaningful contexts. [3, 4] • Apply the rules to expressions for which manipulatives and visuals are highly inefficient. [5]
INT 3 Integer Multiplication and Division <i>[6.NS.C, 7.NS.A]</i>	• Use a manipulative and visuals to generate results for integer expressions in order to derive the rules for multiplying integers. Explain why these rules make sense using manipulatives and meaningful contexts. [1, 2] • Explain why the division rules for integers make sense using patterns related to the inverse relationship between multiplication and division. [3] • Apply the rules to expressions for which manipulatives and visuals are highly inefficient. [4] • Understand why division by zero does not make sense. [5]