Name Date NS Integers Review Topics

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| **Topic** | **Guiding Questions** | **Practice Problems** | **Khan Exercises** |
| Integers in the Real World | How are integers related to the real world?  How do you order integers? | 8/25-8/29: slides 4,5 | [Interpreting negative numbers](https://www.khanacademy.org/math/pre-algebra/negatives-absolute-value-pre-alg/add-subtract-negatives-pre-alg/e/negative_number_word_problems)  [Negative numbers on the number line](https://www.khanacademy.org/math/arithmetic/absolute-value/add-sub-negatives/e/number_line_2)  [Ordering negative numbers](https://www.khanacademy.org/math/arithmetic/absolute-value/add-sub-negatives/e/ordering_negative_numbers)  [Number opposites](https://www.khanacademy.org/math/arithmetic/absolute-value/add-sub-negatives/e/number-opposites) |
| Absolute Value | What does absolute value mean on the number line? | 8/25-8/29: slides 4,5 | [Finding Absolute Values](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/e/absolute_value)  [Comparing Absolute Values](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/e/comparing_absolute_values)  [Interpreting Absolute Value](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/e/absolute-value-word-problems) |
| Adding and Subtracting Integers | Which directions should you face/walk when adding/subtracting positive/negative numbers?  What does “add the opposite” mean and when should you use it? | 8/25-8/29: slides 6-8  9/2-9/5 all | [Adding Negative Numbers](https://www.khanacademy.org/math/pre-algebra/negatives-absolute-value-pre-alg/add-subtract-negatives-pre-alg/e/adding_negative_numbers)  [Adding and Subtracting Negative Numbers](https://www.khanacademy.org/math/pre-algebra/negatives-absolute-value-pre-alg/add-subtract-negatives-pre-alg/e/adding_and_subtracting_negative_numbers)  [Understanding Addition and Subtraction on the number line](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers/cc-7th-add-sub-negatives/e/understanding-addition-and-subtraction-on-the-number-line)  [Understanding Addition and Subtraction with Negative Numbers](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers/cc-7th-number-line-thinking/e/understanding-addition-and-subtraction-with-negative-numbers) |
| Multiply and Divide Integers | How do you know when a product/quotient will be negative? | 9/8-9/12: slides 2-3 | [Multiplying and dividing negative numbers](https://www.khanacademy.org/math/pre-algebra/negatives-absolute-value-pre-alg/mult-div-negatives-pre-alg/e/multiplying_and_dividing_negative_numbers)  [Rules for multiplying and dividing negative numbers](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers/cc-7th-mult-div-negatives/e/multiply-and-divide-rational-numbers) |
| Algebraic Expressions | How do you translate a math problem into an algebraic expression?  How do you factor/distribute? | 9/8-9/12: slides 6-12  9/22-9/26: slides 2-5, 7-8 | [Distributive Property](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-distributive-property/e/distributive_property)  [Combining Like Terms](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-equivalent-expressions/e/combining_like_terms_1)  [Equivalent Forms of Expressions 1](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-equivalent-expressions/e/equivalent-forms-of-expressions-1)  [Factoring Linear Binomials](https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/Factoring-simple-expressions/e/factoring_linear_binomials)  [Combining Like Terms with Distribution](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions/cc-7th-manipulating-expressions/e/combining_like_terms_2) |
| Equations and Inverse Operations | Why is it important to check your solution?  How do you solve using inverse operations? | 9/22-9/26: slide 6  9/28-9/26: all | [One Step Equation Intuition](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-solving-equations/e/one_step_equation_intuition)  [One Step Equations](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-beginner-equations/e/one_step_equations)  [One Step Equations with Multiplication](https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-beginner-equations/e/linear_equations_1) |