

CH. 1 Algebraic Reasoning

Lesson: 1-1 Numbers and patterns
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students identify and extend patterns.

Teaching Procedure

Read/discuss page(s) 6-7. Work Guided Practice Exercises with the class on page(s) 8.

Homework Assignment

Workbook 1-1.

Lesson: 1-2 Exponents
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Students represent numbers using exponents.

Teaching Procedure

Read/discuss page(s) 10-11. Work Guided Practice Exercises with the class on page(s) 12.

Homework Assignment

Workbook 1-2.

Lesson: 1-3 Scientific notation
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Students multiply by powers of ten and express large numbers in scientific notation.

Teaching Procedure

Read/discuss page(s) 14-15. Work Guided Practice Exercises with the class on page(s) 16.

Homework Assignment

Workbook 1-3.

Lesson: 1-4 Order of operations
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students use the order of operations to simplify numerical expressions.

Teaching Procedure

Read/discuss page(s) 19-20. Work Guided Practice Exercises with the class on page(s) 21.

Homework Assignment

Workbook 1-4.

Lesson: 1-5 Properties of numbers

Author: Mr. Hilvers

Endorsed: St. Lawrence School

Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students identify properties of rational numbers and use them to simplify numerical expressions.

Teaching Procedure

Read/discuss page(s) 24-25. Work Guided Practice Exercises with the class on page(s) 26.

Homework Assignment

Workbook 1-5.

Lesson: 1-6 Variables and algebraic expressions

Author: Mr. Hilvers

Endorsed: St. Lawrence School

Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students evaluate algebraic expressions.

Teaching Procedure

Read/discuss page(s) 30-31. Work Guided Practice Exercises with the class on page(s) 32.

Homework Assignment

Workbook 1-6.

Lesson: 1-7 Translating words into math

Author: Mr. Hilvers

Endorsed: St. Lawrence School

Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students translate words into numbers, variables and operators.

Teaching Procedure

Read/discuss page(s) 34-35. Work Guided Practice Exercises with the class on page(s) 36.

Homework Assignment

Workbook 1-7.

Lesson: 1-8 Simplifying algebraic expressions
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students simplify algebraic expressions.

Teaching Procedure

Read/discuss page(s) 38-39. Work Guided Practice Exercises with the class on page(s) 40.

Homework Assignment

Workbook 1-8.

Lesson: 1-9 Equations and their solutions
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students determine whether a number is a solution or an equation.

Teaching Procedure

Read/discuss page(s) 42-43. Work Guided Practice Exercises with the class on page(s) 44.

Homework Assignment

Workbook 1-9.

Lesson: 1-10 Solving equations by adding or subtracting
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students solve one-step equations by using addition or subtraction.

Teaching Procedure

Read/discuss page(s) 48-49. Work Guided Practice Exercises with the class on page(s) 50.

Homework Assignment

Workbook 1-10.

Lesson: 1-11 Solving equations by multiplying or dividing

Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any****

Lesson Objective

Students solve one-step equations by using multiplication or division.

Teaching Procedure

Read/discuss page(s) 52-53. Work Guided Practice Exercises with the class on page(s) 54.

Homework Assignment

Workbook 1-11.

Lesson: Test
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Student Evaluation

Administer test on page 63.