



# Mathematics

## Fourth Grade

### 2nd Nine Weeks



This academic overview can be used to monitor and support your child's at

-home learning progress

#### Unit 4: Whole Numbers Multiplication

##### Student Learning Targets

- I can represent the product of up to a 2-digit number times a 2-digit number.
- I can multiply two numbers together.
- I can solve and represent multi-step word problems.

##### Questions to Check for Unit Understanding

- How can you multiply numbers using different strategies?
- How can you represent and solve multiplication problems in different ways?

##### Key Academic Vocabulary

- product: the answer to a multiplication problem
- strip diagram: a model used to represent the multiplication/division/addition/subtraction of numbers
- equation: a math statement that contains an equals symbol

#### Unit 5: Whole Numbers Division

##### Student Learning Targets

- I can represent the quotient of up to a 4-digit number divided by a 1-digit number.
- I can use different strategies to divide numbers efficiently.
- I can solve and represent multi-step word problems.

##### Questions to Check for Unit Understanding

- How can you divide numbers using different strategies?
- How can you represent division problems in different ways?
- How can you solve division word problems?

##### Key Academic Vocabulary

- quotient: the answer to a division problem
- strip diagram: a model used to represent the multiplication/division/addition/subtraction of numbers
- equation: a math statement that contains an equals symbol

#### Unit 6: Whole Numbers Mixed Operations

##### Student Learning Targets

- I can round and estimate solutions for word problems.
- I can represent and solve multi-step word problems.
- I can represent problems using an input-output tables

##### Questions to Check for Unit Understanding

- How can you round and estimate solutions for word problems?
- How can you represent and solve multi-step word problems?
- How can you represent problems with an input-output table?

##### Key Academic Vocabulary

- input-output table: a table that represents a certain output based on a certain input
- strip diagram: a model used to represent the multiplication/division/addition/subtraction of numbers
- equation: a math statement that contains an equals symbol
- unknown quantity: a number that is not known in a math word problem or equation

#### Unit 7: Decimals

##### Student Learning Targets

- I can explain how place value changes the value of a digit- including decimals.
- I can represent decimals in different forms, with different objects and on a number line.
- I can compare and order decimals.
- I can add and subtract decimals in problem solving situations- including within profit situations.

##### Questions to Check for Unit Understanding

- How can you represent decimals in different ways?
- How can you compare and order decimals?
- What are some different ways you can represent and solve addition and subtraction word problems with decimals.?

##### Key Academic Vocabulary

- Decimal: a representation of an amount between two whole numbers
- place value: the value a digit has based on its position in a number
- profit: difference between the amount earned and the amount spent when producing a product