



Mathematics

Third Grade

2nd Nine Weeks



This academic overview can be used to monitor and support your child's at -home learning progress

Unit 4: Addition and Subtraction

Student Learning Targets

- I can add and subtract numbers using mental strategies.
- I can solve one-step and two-step addition and subtraction word problems within 1,000, using strategies based on place value.
- I can represent and solve addition and subtraction word problems in more than one way.

Questions to Check for Unit Understanding

- What is the sum/difference of _____ and _____? What mental strategy did you use?
- How did you determine that you had to add/subtract in this word problem?
- What models and strategies can be used to solve this problem?

Key Academic Vocabulary

- mental strategy- a mental plan that can be used to solve a problem that does not involve using traditional ways of solving problems.
- place value- the value of a digit determined by its location in a number
- strip diagram- a model used to represent the addition/subtraction of numbers
- algorithm- a process or set of rules to be followed in calculations or other problem-solving operations

Unit 5: Applications of Addition and Subtraction

Student Learning Targets

- I can identify and analyze bar graphs, dot plots, and frequency tables.
- I can apply addition and subtraction skills to answer one-step and two-step questions about graphs.
- I can identify and verbalize the additive relationship in an input/output table.

Questions to Check for Unit Understanding

- Can you make a frequency table to match the values shown in this graph?
- How many more people like ___ than ___?
- What is the total number of people who voted for ___ and ___?
- What is the relationship between the x-value and the y-value in the input/output table?

Key Academic Vocabulary

- frequency Table- an organized list of how many times something occurs
- dot plot- a graph built on a number line where each dot above the number signifies how many times that number occurs in the data set
- bar graph- a graph used to show categorical data with bars either along the x-axis or y-axis showing frequency
- input/output table- a table that represents a certain output based on a certain input
- additive relationship- when the x and y values in an input/output table are related by adding or subtracting

Unit 6: Measurement- Perimeter, Time, Weight & Capacity

Student Learning Targets

- I can calculate the perimeter of any polygon when all side lengths are given.
- I can find a missing side length of a polygon when I know the perimeter and the other side lengths.
- I can determine the total amount of time two events will take.
- I can determine the amount of time an event lasts if I know the start time and the end time.

Questions to Check for Unit Understanding

- How can you determine the perimeter of any polygon?
- If you know the perimeter and 4 side lengths of a pentagon, how can you find the missing side length?
- How can you determine the total amount of time 2 or more events take? Can you show it in hours and minutes?

Key Academic Vocabulary

- dimensions- length and width
- perimeter- the measurement of the distance around a shape
- elapsed time- the amount of time that has passed from a start time to an end time