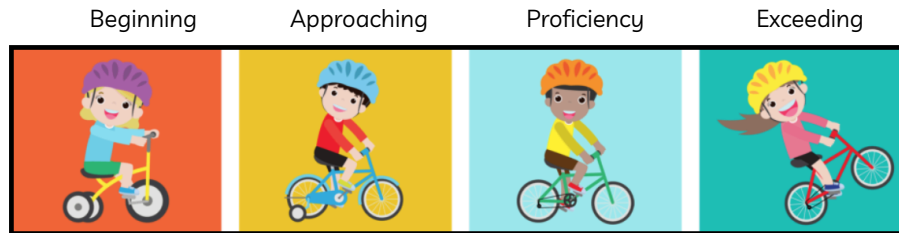


Essential Standards and Learning Progressions for 7th Grade Math 2025-2026

Grade: 7

Teacher: Sara Karch



*Adapted from [Granite School District](#), 2021

Essential Standard - UNIT 1

We will use our understanding of rational numbers to compare them, calculate with them, explain numerical relationships, and simplify algebraic expressions.

We will use different strategies and procedures to solve math problems accurately and flexibly and assess and argue the reasonableness of the results.

Learning Progression for Standard 1:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none"> • Apply and extend my understanding of rational numbers to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard (Expected level of achievement)	I can... <ul style="list-style-type: none"> • Demonstrate my understanding of rational numbers by comparing them, calculating with them, and by simplifying algebraic expressions.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none"> • Demonstrate my understanding of rational numbers by comparing them or calculating with them or by simplifying algebraic expressions.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none"> • Calculate with rational numbers.

Essential Standard - UNIT 2

We will represent and solve equations and inequalities that represent mathematical and real-world problems and argue the reasonableness of solutions.

Learning Progression for Standard 2:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of solving equations and inequalities to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Solve one-step, two-step, and multi-step equations and inequalities accurately.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Solve one-step, two-step, and multi-step equations.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Solve one-step and two-step equations.

Essential Standard - UNIT 3

We will manipulate equivalent ratios and use them to solve problems.

We will be able to explain and defend how multiple representations of the same ratio are equivalent.

Learning Progression for Standard 3:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of equivalent ratios to new and unfamiliar situations..
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Manipulate equivalent ratios and solve proportions accurately.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Identify and convert between equivalent ratios.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Identify equivalent ratios.

Essential Standard - UNIT 4

We will be able to **explain** relationships and solve problems involving circles, sectors, and cylinders and **justify** our solutions.

Learning Progression for Standard 4:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of circles and sectors to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Calculate measurements of circles, cylinders, and sectors and describe transformations accurately.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Calculate measurements of circles, cylinders, and sectors.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Calculate measurements of circles.

Essential Standard - UNIT 5

We will **explain** numerical representations involving the concept of percent, solve real-world application problems involving percent, and **argue** the reasonableness of our results.

Learning Progression for Standard 5:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of percent to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Solve real-world application problems involving percent and justify my answers.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Solve real-world application problems involving percent.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Solve percent problems.

Essential Standard - UNIT 6

We will use multiple representations to demonstrate proportional thinking and we will be able to explain and justify (argue) how these representations show the same pattern.

Learning Progression for Standard 6:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of proportional relationships to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Demonstrate proportional thinking and justify my answers.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Demonstrate proportional thinking.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Tell the difference between proportional and non-proportional representations.

Essential Standard - UNIT 9

We will explain the concepts of slope and intercepts and use them to convert between equations and graphical representations

Learning Progression for Standard 9:

Extending and Exceeding the Standard	I can... <ul style="list-style-type: none">• Apply and extend my understanding of slope, intercepts, and slope-intercept form to new and unfamiliar situations.
Consistently Demonstrating Proficiency of the Standard <i>(Expected level of achievement)</i>	I can... <ul style="list-style-type: none">• Convert between equations, tables, and graphical representations of slope, intercepts, and slope-intercept form.
Approaching Proficiency of the Standard	I can... <ul style="list-style-type: none">• Identify different representations of slope, intercepts, and slope-intercept form.
Beginning to acquire knowledge related to the Standard	I can... <ul style="list-style-type: none">• Find the slope and intercepts from a graph.