

Math Grade 7 Semester 1 Final Assessment Blueprint

Year: 2024-2025
Subject: Math

Method of Delivery: Online
Administration Window: December 9-19

Resources

[Grade 7 Curriculum Map](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
MA.7.EE.A.1	3	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients
MA.7.EE.A.2	2	Rewrite an expression in different forms, and understand the relationship between the different forms and their meanings in a problem context. For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."
MA.7.EE.B.3	2	Solve multi-step mathematical problems and problems in real-world context posed with positive and negative rational numbers in any form. Convert between forms as appropriate and assess the reasonableness of answers. For example, If a woman making \$25 an hour gets a 10% raise, she will make an additional $\frac{1}{10}$ of her salary an hour, or \$2.50, for a new salary of \$27.50 per hour.
MA.7.EE.B.4	5	Use variables to represent quantities in mathematical problems and problems in real-world context, and construct simple equations and inequalities to solve problems.
MA.7.NS.A.1	3	Add and subtract integers and other rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.
MA.7.NS.A.1.c	1	Understand subtraction of rational numbers as adding the additive inverse, $p - q = p + (-q)$. Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world context.
MA.7.NS.A.2	8	Multiply and divide integers and other rational numbers
MA.7.NS.A.2.d	2	Convert a rational number to decimal form using long division; know that the decimal form of a rational number terminates in 0's or eventually repeats.
MA.7.NS.A.3	4	Solve mathematical problems and problems in real-world context involving the four operations with rational numbers. Computations with rational numbers extend the rules for manipulating fractions to complex fractions where $a/b \div c/d$ when $a, b, c,$ and d are all integers and $b, c,$ and $d \neq 0$.
MA.7.RP.A.1	2	Compute unit rates associated with ratios involving both simple and complex fractions, including ratios of quantities measured in like or different units.

* Some items are tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	17
Level 2: Skill/Concept	12
Level 3: Strategic Thinking	1

Item Types Included

Type	Number of Items	Description
MC	30	Multiple Choice - Select one answer