



Resource Pre-Algebra Semester 1 Final Assessment Blueprint

Year Created: 2023-2024
Subject: Math

Method of Delivery: Online
Administration Window: December Common Finals

Resources

[Resource Math Grade 7 Curriculum Map](#)

Standards At-A Glance

| Standard | Number of Items | Standard Description |
|---------------|-----------------|---|
| MA.7.EE.A.1 | 2 | Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. |
| MA.7.EE.A.2 | 1 | Multiply and divide integers and other rational numbers. |
| MA.7.EE.B.3 | 1 | 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. |
| MA.7.EE.B.4 | 3 | 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.EE.B.4.a | 2 | Solve word problems leading to equations of the form $p \times q = r$ and $p(x - q) = r$, where p , q , and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. |
| MA.7.NS.A.1 | 1 | Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. |
| MA.7.NS.A.2 | 2 | Multiply and divide integers and other rational numbers. |
| MA.7.NS.A.3 | 3 | 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 $d \neq 0$. |

*Some items may be tagged to more than one standard.

Depth of Knowledge

| DOK | Number of Items |
|-----------------------------|-----------------|
| Level 1: Recall | 9 |
| Level 2: Skill/Concept | 6 |
| Level 3: Strategic Thinking | 0 |

Item Types Included

| Type | Number of Items | Description |
|------|-----------------|-------------------------------------|
| MC | 15 | Multiple Choice - Select one answer |