

Algebra 1 — Unit 1: Expressions



Merit Education Group

Scope & Sequence

Lessons 1–17 · 20 Days · 50-Minute Class Periods

Standard: 9.3.5.5

Standard: 9.3.5.7

Standard: 9.3.5.8

Unit Overview

Lessons

17

Instructional Days

20

Assessments

3

MN Standards

3

Lesson-by-Lesson Scope

Lesson	Title	Standards	Time
L01	What Is a Variable?	9.3.5.7, 9.3.5.8	50 min
L02	Translating Verbal Phrases	9.3.5.7, 9.3.5.8	50 min
L03	GEMDAS Basics	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min
L04	GEMDAS — Advanced Grouping	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min
L05	Evaluating — One Variable	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min
L06	Evaluating — Multiple Variables	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min
L07	Real-World Formulas	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min

L08	Terms, Coefficients & Constants	9.3.5.7, 9.3.5.8	50 min
L09	Combining Like Terms	9.3.5.7, 9.3.5.8	50 min
L10	The Distributive Property	9.3.5.7, 9.3.5.8	50 min
L11	Distributive Property + Combining Like Terms	9.3.5.7, 9.3.5.8	50 min
L12	Equivalent Expressions	9.3.5.7, 9.3.5.8	50 min
L13	Writing Equivalent Expressions (GCF)	9.3.5.7, 9.3.5.8	50 min
L14	Perimeter, Area & Algebraic Expressions	9.3.5.7, 9.3.5.8	50 min
L15	Translating Real-World Scenarios	9.3.5.7, 9.3.5.8	50 min
L16	Personal Finance: Budgeting	9.3.5.5, 9.3.5.8	50 min
L17	End-of-Unit Test (L1–L17)	9.3.5.5, 9.3.5.7, 9.3.5.8	50 min
Total	17 lessons	3 standards	850 min

Key Assessments

Quiz 1 — Lessons 1–5 (Day 7)

Covers: variables, translating phrases, GEMDAS, and one-variable evaluation. 13 standards-tagged items, three equivalent forms (A/B/C) plus a question bank. 50 minutes.

Quiz 2 — Lessons 6–15 (Day 17)

Covers: multi-variable evaluation, real-world formulas, terms, combining like terms, the distributive property, equivalent expressions, GCF, perimeter & area, and translating scenarios. 16 standards-tagged items, three equivalent forms (A/B/C) plus a question bank. 50 minutes.

End-of-Unit Test — Lessons 1–17 (Day 20)

30 standards-tagged items covering all three Unit 1 standards, three equivalent forms (A/B/C) plus a question bank. Mixed multiple-choice, short-answer, and extended response. 50 minutes.

Exit Tickets — Every Lesson

A standards-tagged exit ticket for each of the 16 instructional lessons (34 items total), exported in QTI 2.1 for direct LMS import.

What's Included With Each Lesson

- Slide deck with career connections, cultural contexts, and PBIS prompts
- Lesson plan with timing, standards alignment, and tiered differentiation
- Teacher edition with answers, misconceptions, and pacing notes
- Student worksheet (T1/T2/T3 tiers) + full Spanish-language version
- Bell ringer matching the deck's opening slide
- Game master for Prime Time play (L1–L5) or structured practice (L6–L16)
- Exit ticket in QTI 2.1 XML
- Answer keys for every item

Notes

- All lessons designed for 50-minute class periods; pacing guide v7 provides the day-by-day calendar.
- Unit runs 20 days: 17 lessons + Quiz 1 (Day 7) + Quiz 2 (Day 17) + Flex/Review (Day 19) + Test (Day 20).
- Standards alignment follows the 2022 Minnesota Mathematics Standards (effective 2027–28).
- Unit 1 covers benchmarks 9.3.5.5, 9.3.5.7, and 9.3.5.8.