

NSCSC High School Pre-Algebra Benchmark Checklist

*Note: These Benchmarks are expectations for this course.

Key to reading Benchmark Checklist

- Open Dot (o) with score – denotes skill(s) met
- Solid Dot (●) – denotes skill(s) not met
- Checkmark through dot (◐) – denotes skill remediated and met

Students are able to:

1st Semester Mastery: _____
2nd Semester Mastery: _____
Final Percent of Benchmarks Mastered: _____

Number	Description	Standard	Mastery	Student Score				
				1 st Try	2 nd Try	3 rd Try	4 th Try	
1st Semester								
o	3	Number sense and computation with rational numbers.	7.1.2, 7.2.1, 7.2.4, 7.2.5	75%				
o	8	Add and subtract fractions.	7.2.1	75%				
o	9	Multiply and divide fractions.	7.2.1, 7.2.4	75%				
o	10	Solve problems with ratio and proportion.	7.5.3	75%				
o	16	Compute percentage increase and decrease.	7.2.2	75%				
o	29	Compute simple interest, discounts, and sales tax.	8.2.2	75%				
o	41	Translate verbal phrases and sentences to algebraic expressions and equations.	7.3.1	75%				
o	42	Simplify algebraic expressions on rational numbers using correct order of operations and properties.	A1.1.3	75%				
o	47	Solve word problems using percents and proportions.	A1.2.6	75%				
2nd Semester								
o	11	Compute perimeter and area.	7.5.4	75%				
o	18	Use graphs to identify and interpret transformations.	7.4.1, 7.4.2	75%				
o	25	Make and interpret various types of statistical graphs and compute quartiles.	8.6.4	75%				
o	31	Compute and solve problems involving Pythagorean Theorem.	8.4.5	75%				
o	32	Solve problems involving area, surface area, and volume.	8.5.4	75%				
o	44	Solve equations with more than one operation, having variables on both sides.	A1.2.1	75%				
o	49	Sketch, interpret, analyze functions and their graphs.	A1.3.1, A1.3.2, A1.3.3	75%				
o	51	Graph linear equations.	A1.4.1	75%				