

NSCSC 8th Grade Mathematics 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:

Percent of Benchmarks Mastered: ____

Number	Description	Standard	Mastery	Student Score			
				1 st Try	2 nd Try	3 rd Try	4 th Try
o 21	Order of operations involving algebraic expressions. (Pre-Alg – Chap. 1, Sec. 2, 3)	8.3.4 8.1.5	75%				
o 22	Write a phrase or sentence as an algebraic expression, equation, or inequality. (Pre-Alg – Chap. 1, Sec. 3, 5)	8.3.1	75%				
o 23	Solve equations and inequalities with integers. (Pre-Alg – Chap. 3, Sec. 3,4,5 and Chap. 7 Sec. 4,5,6,)	8.3.1	75%				
o 24	Write and understand ratios. (Pre-Alg – Chap. 6, Sec. 1)	8.5.3	75%				
o 25	Make and interpret various types of statistical graphs and compute quartiles. (Pre- Alg – Chap. 12, Sec. 1,2,3)	8.6.3 8.6.4	75%				
o 27	Add, subtract, multiply, and divide integers. (Pre- Alg – Chap. 2, Sec.2, 3, 4, 5)	8.2.1	75%				
o 28	Solve word problems using proportions. (Pre- Alg – Chap. 6, Sec. 2)	8.5.3	75%				
o 29	Compute simple interest, discounts, and sales tax. (Pre- Alg – Chap. 6, Sec. 7)	8.2.2	75%				
o 30	Compute squares and square roots. (Pre- Alg – Chap. 9, Sec. 1)	8.1.7	75%				
o 31	Compute and solve problems involving Pythagorean Theorem. (Pre- Alg – Chap. 9, Sec. 5)	8.4.5	75%				
o 32	Solve problems involving area, surface area, and volume. (Pre- Alg – Chap. 10, Sec.5,7,8, and Chap. 11 Sec. 2,3,4,5)	8.5.4 8.5.5	75%				
o 33	Understand the concepts of probability. (Pre- Alg – Chap. 12, Sec. 6,7,9)	8.6.6, 8.6.7	75%				
o 34	Graph linear equations. (Pre- Alg – Chap. 8, Sec. 2, 3)	8.3.5	75%				
o 36	Add, subtract, multiply, and divide fractions. (Pre- Alg – Chap. 5, Sec. 3,4,5,7)	8.2.1	75%				