

## NSCSC 8th Grade Pre-Algebra Benchmark Checklist

	Description	Mastery	1st	2nd	3rd	4th
1	Solve and graph inequalities with integers. (Chap.1 Sec 3-5, Chap 2 sec 4-5)	75%				
3	Rational & Irrational Numbers	75%				
18	Use graphs to identify and interpret transformations (Chap. 5 Sec. 7 )	75%				
19	Find and apply slope. (Chap. 5 Sec. 5 )	75%				
22	Translate verbal phrases and sentences to algebraic expressions and equations. (Chap. 1 Sec. 2 )	75%				
23	Solve equations with integers (Chap. 1 Sec 3-5, Chap 2 Sec 4-5)	75%				
28	Solve word problems using proportions. (Chap. 7 Sec 4)	75%				
29	Compute simple interest, discounts, and sales tax. (Chap. 8 Sec. 6, 7 )	75%				
31	Compute and solve problems involving Pythagorean Theorem. (Chap. 6 Sec. 3 )	75%				
32	Solve problems involving area, surface area, and volume. (Chap. 6 Sec. all )	75%				
33	Understand the concepts of probability. (Chap. 9 Sec. 1,2,4,5,6 )	75%				
38	Writing and Operations with scientific notation. (Chap. 2 Sec. 9 )	75%				
43	Add, subtract, multiply, and divide positive and negative fractions. (Chap. 3 Sec 2-5)	75%				
44	Solve equations with more than one operation, having variables on both sides. (Chap. 10 Sec.1-3 )	75%				
46	Solve proportions. (Chap. 7 Sec. 4 )	75%				
47	Solve word problems using percents and proportions. (Chap. 8 Sec. 2,3 )	75%				
51	Graph linear equations. (Chap. 11 Sec. 1-3 )	75%				
52	Simplify algebraic expressions. (Chap. 1 Sec. 6 )	75%				
53	Properties of Exponents (Chap. 2 Sec. 7,8)	75%				
54	Simplify numerical expressions. (Chap. 1 Sec. 1 )	75%				