

8th Grade Pre-Algebra Benchmark Practice

	Description	IXL Lessons	Video Links
1	Solve and graph inequalities with integers. (Chap.1 Sec 3-5, Chap 2 sec 4-5)	7th T.1 - T.7	video 1
3	Rational & Irrational Numbers	Alg A.1, 8th D.5,D.8	video 1 Video 2
18	Use graphs to identify and interpret transformations (Ch 5 sec 7)	P.4-P.13	
19	Find and apply slope. (Chap. 5 Sec. 5)	Y.1, Y.2, Y.5, Y.6	
22	Translate verbal phrases and sentences to algebraic expressions and equations. (Chap. 1 Sec. 2)	7th S.2, 8th V.1, V.3 Alg I.1	
23	Solve equations with integers (Chap. 1 Sec 3-5, Chap 2 Sec 4-5)	Alg J.4	Video 1
28	Solve word problems using proportions. (Chap. 7 Sec 4)	H.7, H.10	
29	Compute simple interest, discounts, and sales tax. (Chap. 8 Sec. 6, 7)	8th K.4-K.8, K.10 and 7th M.6, M.7, M.9, M.12	
31	Compute and solve problems involving Pythagorean Theorem. (Chap. 6 Sec. 3)	R.1, R.2, R.3, R.4	video 1
32	Solve problems involving area, surface area, and volume. (Chap. 6 Sec. all)	T.2, T.4, T.5, T.7, T.8, T.9, T.10, T.11, T.12, T.13,T.14,T.15	
33	Understand the concepts of probability. (Chap. 9 Sec. 1,2,4,5,6)	8th - EE.1, EE.2, EE.11 7th DD.1,DD.2,DD.3, DD.5, DD.10	
38	Writing and operations with scientific notation (Ch 2 Sec 9)	G.1, G.3, G.4 and add/subtract	
43	Add, subtract, multiply, and divide positive and negative fractions. (Chap. 3 Sec 2-5)	8th E.2,E.5 and alg B.4 - B.6	Video 1
44	Solve equations with more than one operation, having variables on both sides.(Chap. 10 Sec.1-3)	8th - W.10, W.11, Alg - J.5, J.6, 7th S.6, S.8, S.9	
46	Solve proportions. (Chap. 7 Sec. 4)	8th H.10, & Alg C.5 (challenge zone)	
47	Solve word problems using percents and proportions. (Chap. 8 Sec. 2,3)	Alg J.3, J.4, J.6, J.7, J.9	
51	Graph linear equations. (Chap. 11 Sec. 1-3)	8th Y.5, Y.6, Y.11, Y.12 and 7th U.8	Video 1
52	Simplify algebraic expressions.(Chap. 1 Sec. 6)	8th V.14, V.15, V.16	Video 1
53	Properties of Exponents (Chap. 2 Sec. 7,8)	8th F.6-F.9 Alg V.1, V.3-V.10	Video 1 Video 2
54	Simplify numerical expressions. (Chap. 1 Sec. 1)	8th E.2, E.7 , F.16	Video 1 Video 2

