

Math 6CP to 7 Accelerated Boost Camp Resource List

Students unable to attend the Boost Camp are welcome to study on their own to prepare for the Boost Camp exam (to be taken at the student’s school). Students must score at least a 70% on the exam to be enrolled in Math 7 Accelerated in the fall.

The curriculum that will be covered in Boost Camp is shown in the table below along with the corresponding chapter and sections from the 6th grade accelerated textbook (Advanced 1). Resources through Khan Academy are provided below to support students in studying for the exam.

Topic	Chapter & Section	Khan Academy Topics & Links
Operations with Integers	Sections 11.1 to 11.5	<p>Negative numbers: addition and subtraction https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-add-and-subtract</p> <p>Multiply & divide negative numbers https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-mult-div-negatives</p> <p>Multiplication and division word problems https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-mult-div-neg-word-problems</p> <p>Properties of multiplication and division with negatives https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-properties-of-mult-div</p> <p>Order of operations https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-order-of-operations</p>
Rational Numbers – adding, subtracting, multiplying	Sections 12.1 to 12.4	<p>Multiply & divide negative fractions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-mult-div-neg-fractions</p> <p>Understanding multiplying and dividing fractions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-mult-div-fractions-2</p>
Simplifying Expressions and Solving Equations	Sections 13.1 to 13.5	<p>Combining like terms https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions#cc-7th-manipulating-expressions</p> <p>The distributive property & equivalent expressions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions#cc-7th-factoring</p> <p>One-step addition & subtraction equations https://www.khanacademy.org/math/algebra/one-variable-linear-equations#alg1-one-step-add-sub-equations</p>

		<p>One-step multiplication & division equations https://www.khanacademy.org/math/algebra/one-variable-linear-equations#alg1-one-step-mult-div-equations</p> <p>Two-step equations intro https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions#cc-7th-2-step-equations-intro</p> <p>Two-step equations with decimals and fractions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions#cc-8th-two-step-equations-dec-fra</p>
Ratios and Proportions	Section 14.1 to 14.4	<p>Intro to ratios https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-ratios-intro</p> <p>Ratio word problems https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-ratio-word-problems</p> <p>Intro to rates https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-rates</p> <p>Rate problems with fractions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-ratio-proportion#cc-7th-rates</p> <p>Identifying proportional relationships https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-ratio-proportion#cc-7th-proportional-rel</p> <p>Writing & solving proportions https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-ratio-proportion#cc-7th-write-and-solve-proportions</p>
Percents	Section 15.1 to 15.2 and 15.4 to 15.6	<p>Intro to percents https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-intro-percents</p> <p>Percent, fraction, decimal conversions https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-percent-decimal-conversions</p> <p>Percent problems https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-percent-problems</p> <p>Percent word problems https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates#pre-algebra-percent-word-problems</p>