

Below are the key skills that students should possess by the end of a 6th grade math course. They are based on the Common Core State Standards and are written in student-friendly terms. The learning targets are grouped by unit of study, and the corresponding state standards and textbook resources are listed.

Power Standard	#	Learning Target	CCSSM	OFM Block	Lesson
Understanding Fractions	1	I can find the GCF of two numbers.	6.NS.4		1
	2	I can find the LCM of two numbers.	6.NS.4	FD1	4
×, ÷ Fractions	3	I can find quotients of expressions involving two fractions.	6.NS.1	FD3	15-19
Decimals	4	I can fluently add, subtract, multiply, and divide multi-digit decimals.	6.NS.3		24-26, 27, 28
	5	I can divide multi-digit whole numbers.	6.NS.2	FD4	1A, 1B
	6	I can find the area of a polygon.	6.G.1		29
Order of Operations	7	I can write and evaluate numerical expressions involving exponents.	6.EE.1	IA1	1-5
Algebraic Expressions	8	I can write, evaluate, and apply variable expressions.	6.EE.2, 6		6-12
	9	I can apply properties to generate equivalent expressions.	6.EE.3	IA2	10-12
	10	I can identify when two expressions are equivalent.	6.EE.4		10-12
Area and Volume	11	I can find the volume of a rectangular prism.	6.G.2		1E
	12	I can use a net to find the surface area of a three-dimensional figure.	6.G.4		1D
Solving Equations	13	I can determine if a number is a solution of an equation.	6.EE.5	IA3	13
	14	I can write and solve one-step equations.	6.EE.7		13-19
	15	I can show the solution set of an inequality by graphing it on a number line.	6.EE.8		1F

CCSSM = Common Core State Standards for Math

EE = Expressions and Equations

G = Geometry

RP = Ratios and Proportional Relationships

NS = The Number System

SP = Statistics and Probability

OFM = Oregon Focus on Math

FD = Fractions and Decimals

IA = Introductory Algebra

CT = Companion Text

RRP = Ratios, Rates, and Percents

Below are the key skills that students should possess by the end of a 6th grade math course. They are based on the Common Core State Standards and are written in student-friendly terms. The learning targets are grouped by unit of study, and the corresponding state standards and textbook resources are listed.

Integers	1	I can use positive and negative numbers to represent quantities in the real-world.	6.NS.5		1G
	6				
	17	I can understand ordering and absolute value of rational numbers.	6.NS.7	CT	1H
	18	I can understand a rational number as a point on a number line.	6.NS.6		1I
Functions	19	I can graph points on a coordinate plane to solve problems.	6.NS.8 6.G.3		1I, J
	20	I can write equations that represent the relationship between two variables.	6.EE.9		22-25
	21	I can create a graph by correctly plotting the independent and dependent variables.	6.EE.9	IA4	22-25
Understanding Data	22	I can collect, display, and analyze data using measures of center and spread.	6.SP.1-5	CT	1K-1P
Ratios and Conversions	23	I can write a ratio to describe the relationship between two quantities.	6.RP.1	RRP1	1
Rates	24	I can use tables to compare ratios.	6.RP.3a		6-11 Tic-Tac-Toe
	25	I can solve unit rate problems.	6.RP.2 6.RP.3b	RRP2	8-10
	26	I can use ratios to convert measurement units.	6.RP.3d		11
Percent	27	I can solve problems involving percent.	6.RP.3c	RRP3	12-14

CCSSM = Common Core State Standards for Math

EE = Expressions and Equations

G = Geometry

RP = Ratios and Proportional Relationships

NS = The Number System

SP = Statistics and Probability

OFM = Oregon Focus on Math

FD = Fractions and Decimals

IA = Introductory Algebra

CT = Companion Text

RRP = Ratios, Rates, and Percents