



# K–8 Focus Standards

## Kindergarten

- K.CC.1 Rote count numbers to 100 by ones (starting at 0)
- K.CC.2 Count on from any given number to 100 by ones
- K.CC.3 Write numbers 0 – 20 correctly
- K.CC.7 Compare numbers 0–10
- K.OA.2 Add within 10
- K.OA.2 Subtract within 10
- K.OA.2 Solve addition word problems within 10 using math models or objects
- K.OA.2 Solve subtraction word problems within 10 using math models or objects
- K.OA.3 Decompose numbers to 10 ( $5+? = 10$ ;  $4+? = 10$ )
- K.OA.4 Making Tens
- K.CC.5 Count objects to 20
- K.CC.6 Compare up to 10 objects
- K.OA.1 Represent subtraction within 10 using math models or objects
- K.OA.1 Represent addition within 10 using math models or objects
- K.OA.5 Fluently add within 5 (math facts)
- K.OA.5 Fluently subtract within 5 (math facts)
- K.G.2 Identify 2D shapes
- K.G.2 Identify 3D shapes
- K.G.3 Identify shapes as 2D or 3D

## First Grade

- 1.NBT.1 Count to 120 from any number
- 1.NBT.1 Write numbers 0–120 correctly
- 1.NBT.2 Place value within 100 (tens and ones)
- 1.NBT.3 Compare two-digit numbers using  $<$ ,  $>$ , or  $=$
- 1.NBT.4 Add within 100 (2 digit by 1 digit; 2 digit by multiple of 10)
- 1.OA.1 Solve addition word problems up to 20 using math models
- 1.OA.1 Solve subtraction word problems up to 20 using math models
- 1.OA.6 Fluently add within 10 (math facts)
- 1.OA.6 Fluently subtract within 10 (math facts)

- 1.OA.6 Add within 20
- 1.OA.6 Subtract within 20
- 1.OA.8 Determine the unknown number in a number sentence within 10:  $6 + ? = 10$
- 1.NBT.2 Represent place value (tens and ones) using math models
- 1.NBT.6 Subtract multiples of ten
- 1.OA.2 Solve word problems up to 20 using addition of 3 numbers and math models
- 1.OA.6 Represent addition within 20 using math models
- 1.OA.6 Represent subtraction within 20 using math models

## Second Grade

- 1.OA.8 Determine the unknown number in a number sentence within 20:  $8 + ? = 20$
- 2.NBT.1 Place value within 1,000 (hundreds, tens and ones)
- 2.NBT.4 Compare three-digit numbers using  $<$ ,  $>$ , or  $=$
- 2.NBT.5 Fluently add within 100 using a variety of strategies
- 2.NBT.5 Fluently subtract within 100 using a variety of strategies
- 2.NBT.7 Add within 1,000 using a variety of strategies
- 2.NBT.7 Subtract within 1,000 using a variety of strategies
- 2.OA.1 Solve addition and subtraction word problems up to 100 using a variety of strategies
- 2.OA.2 Fluently add within 20 (math facts)
- 2.OA.2 Fluently subtract within 20 (math facts)
- 2.NBT.3 Read and write numbers to 1,000 in expanded form
- 2.NBT.5 Represent addition within 100 using math models
- 2.NBT.5 Represent subtraction within 100 using math models
- 2.NBT.6 Add up to four two-digit numbers

## Third Grade

- 2.OA.2 Fluently add within 20 (math facts)
- 2.OA.2 Fluently subtract within 20 (math facts)
- 3.NBT.1 Place value within 10,000
- 3.NBT.1 Round whole numbers to the nearest 10 or 100
- 3.NBT.2 Fluently add within 1,000
- 3.NBT.2 Fluently subtract within 1,000
- 3.NBT.2 Solve addition and subtraction word problems up to 1,000 using a variety of strategies
- 3.NF.2 Identify fractions as numbers on the number line (denominators 2,3,4,6,8)
- 3.NF.3 Compare fractions (denominators 2,3,4,6,8) \*enrichment
- 3.OA.1 Multiply within 100
- 3.OA.2 Divide within 100

- 3.OA.3 Solve real-world multiplication word problems within 100
- 3.OA.3 Solve real-world division word problems within 100
- 3.OA.4 Determine the unknown in a multiplication or division equation
- 3.OA.7 Fluently multiply within 100 (math facts)
- 3.OA.7 Fluently divide within 100 (math facts)
- 3.OA.8 Solve real-world word problems involving the four operations
- 3.NBT.1 Compare numbers within 10,000
- 3.OA.1 Represent multiplication using math models
- 3.OA.2 Represent division using math models

## Fourth Grade

- 2.OA.2 Fluently add within 20 (math facts)
- 2.OA.2 Fluently subtract within 20 (math facts)
- 3.OA.7 Fluently multiply within 100 (math facts)
- 3.OA.7 Fluently divide within 100 (math facts)
- 4.NBT.3 Round whole numbers to any place
- 4.NBT.4 Fluently add multi-digit whole numbers
- 4.NBT.4 Fluently subtract multi-digit whole numbers
- 4.NBT.5 Multiply multi-digit numbers
- 4.NBT.6 Divide up to four-digit dividends and one-digit divisors
- 4.OA.3 Solve multi-step, real-word problems using all four operations
- 4.NF.1 Equivalent fractions
- 4.NF.2 Comparing fractions with different numerators and denominators
- 4.NF.3 Add and subtract fractions with like denominators (including mixed numbers)
- 4.NF.4 Multiply a fraction or mixed number by a whole number
- 4.NF.6 Model decimals to hundredths
- 4.NF.7 Compare decimals to hundredths
- 4.NBT.2 Compare numbers within 1,000,000

## Fifth Grade

- 2.OA.2 Fluently add within 20 (math facts)
- 2.OA.2 Fluently subtract within 20 (math facts)
- 3.OA.7 Fluently multiply within 100 (math facts)
- 3.OA.7 Fluently divide within 100 (math facts)
- 4.NBT.4 Fluently add and subtract multi-digit whole numbers
- 5.NBT.3 Compare decimals to thousandths
- 5.NBT.4 Round all decimals to any place

- 5.NBT.5 Fluently multiply multi-digit whole numbers
- 5.NBT.6 Divide whole numbers (up to four-digit dividends and two-digit divisors) using a variety of strategies
- 5.NBT.7 Multiply decimals to the hundredths
- 5.NBT.7 Divide decimals to the hundredths
- 5.NBT.7 Add and subtract decimals to hundredths
- 5.NF.1 Add and subtract fractions (including mixed numbers) with unlike denominators
- 5.NF.2 Solve real-world addition and subtraction of fractions word problems
- 5.NF.4 Multiply fractions (including mixed numbers)
- 5.NF.7 Fraction and whole number division
- 5.OA.1 Order of operations
- 5.OA.2 Write expressions from words

## Sixth Grade

- 2.OA.2 Fluently add within 20 (math facts)
- 2.OA.2 Fluently subtract within 20 (math facts)
- 3.OA.7 Fluently multiply within 100 (math facts)
- 3.OA.7 Fluently divide within 100 (math facts)
- 5.NBT.4 Round all decimals to any place
- 5.NF.1 Add and subtract fractions (including mixed numbers) with unlike denominators
- 5.NF.4 Multiply fractions (including mixed numbers)
- 6.NS.1 Divide fractions by fractions
- 6.NS.2 Fluently divide multi-digit numbers
- 6.NS.3 Fluently add and subtract decimals
- 6.NS.3 Fluently multiply multi-digit decimals
- 6.NS.3 Fluently divide multi-digit decimals
- 6.EE.4 Identify when two expressions are equivalent
- 6.EE.5 Solve one-variable equations
- 6.EE.5 Solve one-variable inequalities
- 6.EE.1 Write and evaluate numerical expressions involving whole-number exponents
- 6.EE.2 Write, read, and evaluate expressions in which letters stand for numbers
- 6.EE.7 Solve real-world word problems involving equations
- 6.EE.8 Solve real-world word problems involving inequalities
- 6.NS.7 Absolute value of rational numbers
- 6.NS.8 Coordinate graphing in all four quadrants
- 6.RP.1 Concept of ratio
- 6.RP.2 Concept of unit rate

## Seventh Grade

- 5.NF.1 Add and subtract fractions (including mixed numbers) with unlike denominators
- 5.NF.4 Multiply fractions (including mixed numbers)
- 6.NS.1 Divide fractions by fractions
- 6.NS.3 Fluently add and subtract decimals
- 6.NS.3 Fluently multiply multi-digit decimals
- 6.NS.3 Fluently divide multi-digit decimals
- 6.EE.1 Write and evaluate numerical expressions involving whole-number exponents
- 6.EE.5 Solve one-variable equations
- 6.EE.5 Solve one-variable inequalities
- 7.RP.1 Compute unit rates
- 7.RP.2 Recognize and represent proportional relationships between quantities
- 7.RP.3 Use proportional relationships to solve multi-step ratio and percent problems
- 7.NS.1 Add and subtract rational numbers
- 7.NS.2 Multiply and divide rational numbers
- 7.NS.3 Solve real-world word problems involving the four operations with rational numbers
- 7.EE.1 Add, subtract, factor, and expand linear expressions with rational coefficients
- 7.EE.3 Solve multi-step real-world problems using numerical and algebraic expressions and equations
- 7.EE.4 Use variables to represent quantities in real-world problems
- 7.EE.4 Solve real-world word problems by constructing simple equations and inequalities

## Eighth Grade

- 8.EE.4 Operations with Scientific Notation
- 8.EE.5 Proportional Relationships
- 8.EE.6 Slope and Linear Equations
- 8.EE.7 Solve Linear Equations in One Variable
- 8.EE.8 Solve Systems of Two Linear Equations
- 8.F.1 Define and Identify Functions
- 8.F.2 Comparing Functions
- 8.F.3 Defining Linear Functions
- 8.F.5 Analyzing Functional Relationships in Graphs
- 8.NS.1 Rational and Irrational Numbers
- 8.NS.2 Comparing Irrational Numbers
- 8.G.5 Angle Relationships
- 8.G.9 Volumes of Cones, Cylinders, and Spheres (formulas)
- 8.SP.1 Constructing & Interpreting Scatter Plots