

Number notation and place value

4.NBT.2 Read and write whole numbers up to 1,000,000 using base-ten numerals, number names, and expanded form, and recognize the place value of each digit

4.NBT.2 Compare two numbers within 1,000,000 based on place-values, using $>$, $<$, and $=$

<https://www.opened.com/video/comparing-and-ordering-whole-numbers/43648>

<https://www.opened.com/video/compare-numbers-using-the-symbols-and/180098>

4.NBT.3 Round numbers within 1,000,000 to any place

<https://www.opened.com/video/round-numbers-to-the-leading-digit-using-a-number-line/138284>

4.OA.4 List the factors of a whole number up to 100

4.OA.4 Recognize that a whole number is a multiple of its factors

4.OA.4 Identify composite and prime numbers within 100

4.OA.4 Determine if a whole number is a multiple of a given 1-digit whole number

<https://www.opened.com/video/khan-academy-finding-factors-of-a-number/183107>

<https://www.opened.com/game/prime-and-composite-number/213017>

Multiplication and division

4.NBT.5 Multiply a whole number within 10,000 by a 1-digit whole number using strategies based on place-value and properties of operations and illustrate using equations

4.NBT.5 Multiply two 2-digit numbers, using strategies based on place-value and properties of operations and illustrate using equations

4.NBT.5 Illustrate multiplication of 10,000 by a 1-digit whole number and multiplication of two 2-digit numbers with arrays and/or area models

<https://www.opened.com/video/multiplication-of-multi-digit-numbers/63809>

<https://www.opened.com/game/multiplying-three-digit-numbers-by-one-digit-numbers/213058>

<https://www.opened.com/video/multiplication-5-2-digit-times-a-2-digit-number/115391>

4.NBT.6 Divide a number within 10,000 by a 1-digit whole number, using strategies based on place-value and properties of operations, and relationship between multiplication and division and illustrate with equations

4.NBT.6 Illustrate division of a whole number within 10,000 by a 1-digit whole number with arrays and/or area models

<https://www.opened.com/video/example-expressing-division-in-multiple-ways/365276>

4.OA.3 Solve multi-step word problems involving the 4 operations on whole numbers

4.OA.3 Represent word problems using equations with a letter standing for the unknown quantity

4.OA.3 Assess the reasonableness of answers to multi-step word problems involving the four operations using mental computation and estimation

<https://www.opened.com/video/solve-multi-step-word-problems-by-writing-an-equation/412372>

<https://www.opened.com/game/multiplication-and-division-word-problems-hard/213012>

Fractions

4.NF.2 Compare two unrelated fractions of the same whole using $>$, $<$, and $=$

4.NF.2 Compare a fraction to benchmark fractions such as $\frac{1}{2}$

<https://www.opened.com/video/compare-fractions-using-the-benchmark-of-one-whole/139021>

<https://www.opened.com/game/comparing-fractions-using-or/212986>

4.NF.3b Decompose a fraction into the sum of fractions with the same denominator in different ways

<https://www.opened.com/video/decomposing-a-fraction-visually/401215>

4.NF.3c Add and subtract mixed numbers with like fractions

<https://www.opened.com/video/adding-mixed-numbers-using-properties-of-operations/138279>

<https://www.opened.com/video/subtracting-mixed-numbers-by-creating-equivalent-fractions/139075>

4.NF.3d Solve word problems involving addition and subtraction of like fractions

<https://www.opened.com/video/solve-word-problems-with-addition-of-fractions/183899>

<https://www.opened.com/video/subtracting-mixed-numbers-word-problem/183143>

4.NF.4b Multiply fractions by a whole number using understanding of fractions as multiples of multiples of unit fractions

<https://www.opened.com/video/solve-word-problems-involving-multiplying-a-fraction-by/139092>

<https://www.opened.com/video/multiply-a-whole-number-and-a-fraction-using-a-number-line/412434>

4.NF.4c Solve word problems involving multiplication of fractions by a whole number using concepts of multiples of a unit fraction

<https://www.opened.com/video/fraction-of-a-set-word-problems-singapore-math/337678>

Decimals

4.NF.6 Use decimal notation for fractions with denominators of 10 or 100, locate on a number line

<https://www.opened.com/video/decimals-and-fractions/365370>

4.NF.7 Compare two decimals to hundredths using $>$, $<$, $=$

<https://www.opened.com/video/compare-two-decimals-in-a-real-world-problem-using-visual/412428>

Geometry

4.MD.5 Recognize angles as shapes formed whenever two rays share an endpoint

4.MD.5a Understand that angles are measured with reference to degree of turning in a circle

4.MD.5a Understand that 1 degree is $\frac{1}{360}$ of a circle

4.MD.5b Understand that that an angle that turns through n degrees has a measure of n degrees.

<https://www.opened.com/video/4-md5ab/394642>

4.MD.6 Measure angles with a protractor

4.MD.6 Draw angles of specified measure

<https://www.opened.com/video/more-angle-measurements-using-a-protractor/76181>

4.MD.7 Recognize that the angle measure of an angle divided into parts is the sum of the parts. Solve addition and subtraction problems to find unknown angles. Write equations using a symbol to stand for the unknown angle.

<https://www.opened.com/video/find-unknown-angles-using-diagrams/412344>

4.G.1 Identify and draw perpendicular and parallel lines

4.G.1 Identify and draw acute and obtuse angles

4.G.1 Identify and draw points, line segments, and rays

<https://www.opened.com/game/more-lines-parallel-perpendicular-intersecting/213115>

<https://www.opened.com/video/intro-to-lines-line-segments-and-rays/202996>

4.G.2 Classify 2-D figures based on presence or absence of parallel or perpendicular lines, or angles of a specified size

4.G.2 Recognize and name trapezoids, using the inclusive definition of a trapezoid

4.G.2 Recognize and name right triangles

<https://www.opened.com/video/classify-parallelograms-by-examining-their-angles-and-sides/412393>

4.G.3 Recognize symmetric figures and lines of symmetry, draw lines of symmetry

<https://www.opened.com/game/line-of-symmetry-shape-shooter-sheppard-software/402669>

<https://www.opened.com/video/introduction-to-symmetry/47727>