

Number notation and place value

3.OA.9 Describe and extend regular number patterns within 10,000

3.NBT.1 Round numbers within 10,000 to the nearest 10 or 100

M03.A-T.1.1.1 Round two- and three-digit whole numbers to the nearest ten or hundred, respectively.

https://learnzillion.com/lesson_plans/6237-round-to-the-nearest-ten-using-base-ten-blocks

https://learnzillion.com/lesson_plans/8570-round-to-the-nearest-hundred-using-a-number-line

https://learnzillion.com/lesson_plans/5153-round-to-the-nearest-hundred-using-base-ten-blocks

https://learnzillion.com/lesson_plans/6243-round-to-the-nearest-ten-or-hundred-in-real-world-situations

<https://www.ixl.com/math/grade-2/counting-patterns-up-to-1000>

Addition and Subtraction

M03.B-O.3.1.2 Represent two-step word problems using equations with a symbol standing for the unknown quantity. Limit to problems with whole numbers and having whole-number answers.

M03.B-O.3.1.6 Create or match a story to a given combination of symbols (+, −, ×, ÷, <, >, and =) and numbers.

M03.B-O.3.1.7 Identify the missing symbol (+, −, ×, ÷, <, >, and =) that makes a number sentence true.

https://learnzillion.com/lesson_plans/8220-solve-for-unknowns-using-the-commutative-property-of-addition

https://learnzillion.com/lesson_plans/5272-solve-two-step-problems-using-letters-to-represent-unknowns

<http://braingenie.ck12.org/skills/102973>

Time

3.MD.1 Tell time to the minute

3.MD.1 Solve word problems involving the addition and subtraction of time in minutes using a number line

https://learnzillion.com/lesson_plans/440

<https://learnzillion.com/resources/72357-solve-elapsed-time-word-problems-3-md-a-1>

http://mrnuusbaum.com/grade_3_standardstimeminutes/

Length, Mass, Weight, and Capacity

3.MD.2 Compare the mass of two or more objects in non-standard units

https://learnzillion.com/lesson_plans/460

https://learnzillion.com/lesson_plans/6264

Multiplication and Division of Whole Numbers

3.OA.7 Build the multiplication tables up to 10×10 and commit to memory

3.OA.8 Solve up to 2-step word problems involving the four operations on whole numbers

3.OA.8 Write equations for word problem situations using a letter to stand for the unknown quantity

3.OA.8 Use estimation to verify the reasonableness of calculated results in multiplication and division

M03.B-O.2.1.1 Apply the commutative property of multiplication (not identification or definition of the property).

M03.B-O.2.1.2 Apply the associative property of multiplication (not identification or definition of the property).

https://learnzillion.com/lesson_plans/5253-multiply-by-multiples-of-10-with-base-ten-blocks

https://learnzillion.com/lesson_plans/6562-multiply-by-multiples-of-10-using-number-lines

https://learnzillion.com/lesson_plans/7149-multiply-by-multiples-of-10-using-arrays

https://learnzillion.com/lesson_plans/6928-multiply-by-multiples-of-10-by-breaking-apart-the-multiple-of-ten-into-2-factors

<https://www.opened.com/video/basic-math-lesson-4-properties-of-numbers/47496>

<https://www.opened.com/video/commutative-property-of-multiplication-yourteacher-com/115517>

<https://www.opened.com/video/commutative-law-of-multiplication/365537>

<https://www.opened.com/video/associative-law-of-multiplication/365539>

Fractions

3.NF.2 Represent and understand fractions on number lines

3.NF.3a Recognize and name equivalent fractions using number lines

3.NF.3b Write equivalent fractions of a given fraction

3.NF.3c Express whole numbers as a fraction and recognize fractions that are equivalent to whole numbers

3.NF.3d Compare two fractions with the same numerator or denominator, and use the symbols “>”, “<” and “=”

M03.A-F.1.1.2 Represent fractions on a number line (limit denominators to 2, 3, 4, 6, and 8; limit numerators to whole numbers less than the denominator; and no simplification necessary)

<https://learnzillion.com/resources/72626-represent-fractions-on-a-number-line-3-nf-a-2>

<https://learnzillion.com/resources/72264-compare-fractions-with-the-same-numerator-or-the-same-denominator-3-nf-a-3d>

<https://www.opened.com/game/visual-fractions-seeing-equivalent-fractions/394578>

<https://www.opened.com/game/math-manipulative-balance-scale-with-fractions/394576>

<https://www.opened.com/video/equivalent-fractions/365405>

<https://www.opened.com/video/khan-academy-equivalent-fractions/63905>

Perimeter, Area, and Volume

3.MD.5 Find the area of shapes by covering them with unit squares or by counting squares

https://learnzillion.com/lesson_plans/810

3.MD.6 Measure areas by counting squares in nonstandard units

3.MD.6 Measure areas by counting squares in standard units (square cm, square in., square ft.)

<https://www.opened.com/video/area-of-rectangles/63837>

3.MD.7a Find the area of a rectangle by tiling it

3.MD.7a Derive the formula for area of a rectangle

<https://www.opened.com/video/find-the-area-of-a-rectangle-by-counting-unit-squares/412166>

3.MD.7b Use the formula to calculate the area of rectangles with whole number side lengths

<https://www.opened.com/video/area-and-perimeter-khan-academy/63193>

3.MD.7c Use tiling and area to illustrate the distributive property

<https://www.opened.com/assessment/multiplication-and-addition-to-find-area/1073949>

3.MD.7d Find the area of simple composite figures made up of rectangles and solve problems

<https://www.opened.com/video/3-md-7d/394699>

3.MD.8 Find the perimeter of polygons

<https://learnzillion.com/resources/72611-solve-real-world-and-mathematical-problems-involving-perimeters-of-polygons-3-md-c-8>

3.MD.8 Find an unknown side length of a polygon given the length of the other sides

<https://www.opened.com/video/perimeter-mathhelp-com-math-help/202970>

3.MD.8 Exhibit rectangles with same perimeter and different area, or same area and different perimeter

<https://www.opened.com/game/finding-perimeters-of-parallelograms/338074>

Geometry

3.G.1 Categorize some shapes, including quadrilaterals

3.G.1 Identify rhombuses, rectangles, and squares as examples of quadrilaterals

3.G.1 Draw quadrilaterals that are not rhombuses, rectangles, or squares

<https://learnzillion.com/resources/72765-understand-shape-categories-and-attributes-3-g-a-1>

Data and Statistics

3.MD.4 Generate measurement data by measuring lengths to the nearest half or fourth of an inch and record the data in a line plot

<https://learnzillion.com/resources/72234-generate-and-display-measurement-data-using-rulers-marked-with-halves-and-fourths-of-an-inch-3-md-b-4>