

Grade 3 Math Expressions Vocabulary Words

Unit 1, Book 1 – Place Value and Multi-Digit Addition and Subtraction

- OSPI words not used in this unit: add, addition, number, more than, subtract, subtraction, ones, tens, hundreds, thousands, whole number, value, correct
- Link to Math Expression Online Glossary for some definitions: http://www-k6.thinkcentral.com/content/hsp/math/hspmathmx/na/gr3/se_9780547153223/_eglossary/eg_popup.html?grade=3
- Lesson 1 / counting on strategy, make a ten strategy, place value drawing,
ten-stick, hundred-box, thousand-bar
- Lesson 2 / *digit*, expanded form, standard form, pennies place, dimes place, dollars place, Secret Code Cards
- Lesson 3 / place value drawing
- Lesson 4 / counting on strategy, make a ten strategy, *place value*
- Lesson 5 / proof drawing, show all totals method,
new groups below method, new groups above method
- Lesson 6 / counting on strategy, make a ten strategy, *expression*, proof drawing
- Lesson 7 / proof drawing, show all totals method,
new groups below method, new groups above method
- Lesson 8 / *grouping*, make a thousand strategy
- Lesson 9 / grouping
- Lesson 10 / ungroup
- Lesson 11 / ungrouping
- Lesson 12 / ungroup

- Lesson 13 / grouping, ungrouping, math mountain, partner, *total*
- Lesson 14 / ungroup
- Lesson 15 / *total*, math mountain, partner
- Lesson 16 / no vocabulary

Unit 2 -Lines, Line Segments, and Quadrilaterals

OSPI words not used in this unit: attribute/property, model

- Lesson 1 / centimeter, *line segment*, horizontal, vertical, *perimeter, triangle, quadrilateral*
- Lesson 2 / *line, line segment, endpoint, parallel, perpendicular, opposite, adjacent*
- Lesson 3 / *parallelogram, rectangle, square, rhombus, parallel, adjacent, perpendicular*
- Lesson 4 / *parallel, parallelogram, rectangle, square*
- Lesson 5 / *quadrilateral, parallelogram, rhombus, rectangle, square*

Unit 3 - Addition and Subtraction Word Problems

OSPI words not used in this unit: fewer than, fewest, information, problem, difference, conclude, conclusion, relation, most, represent, disagree, student, support

- Lesson 1 / unknown partner, *equation, total, sum, partner, equality, inequality, addend, change plus, change minus, put together, take apart, expression*
- Lesson 2 / change plus, change minus, take apart, put together
- Lesson 3 / unknown start, situation equation, solution equation
- Lesson 4 / situation equation, difference, solution equation,

comparison problem, comparison bars

- **Lesson 5** / unknown partner problem, make a ten, make a hundred, make a thousand, comparison problem, comparison bars, unknown amount
- **Lesson 6** / situation equation, solution equation, *inequality*
- **Lesson 7** / comparison problem, comparison bars
- **Lesson 8** / no vocabulary
- **Lesson 9** / no vocabulary

Unit 4 – Figures, Angles, and Triangles

OSPI words not used in this unit: intersecting lines, point, figure,

- **Lesson 1** / *parallel, perpendicular, line of symmetry, symmetric figure, congruent*
- **Lesson 2** / diagonal, *right angle, right triangle, vertex, vertices*
- **Lesson 3** / *angle, right angle, acute angle, obtuse angle, hexagon, right triangle, acute triangle, obtuse triangle, octagon, polygon, equilateral triangle, isosceles triangle, scalene triangle, pentagon*
- **Lesson 4** / degree, straight angle, ray

Unit 5 – Use Addition and Subtraction

OSPI words not used in this unit: add, addition, coin, round to the nearest,

- **Lesson 1** / estimate, round
- **Lesson 2** / round
- **Lesson 3** / *compare, equal to(=), greater than(>), less than(<)*
- **Lesson 4** / penny, nickel, dime, quarter, coin equivalents
- **Lesson 5** / dollar, exact

- Lesson 6 / change
- Lesson 7 / round, estimate, rounding rules
- Lesson 8 / *table*, row, column, cell, function table
- Lesson 9 / *table*, row, column, cell
- Lesson 10 / column, row, cell, *table*, *survey*, *tally*, *data*
- Lesson 11 / no vocabulary
- Lesson 12 / no vocabulary
- Lesson 13 / net gain
- Lesson 14 / Associative Property of Addition, Commutative Property of Addition, Identity Property of Addition
- Lesson 15 / vertical axis, horizontal axis, vertical bar graph, horizontal bar graph, maximum value, minimum value, *pictograph*, axes, mode, range, *scale*
- Lesson 16 / bar graph, axes, horizontal axis, vertical axis, *scale*
- Lesson 17 / frequency table, *line plot*, tally chart, mode, range
- Lesson 18 / no vocabulary

Unit 6 - Patterns

OSPI words not used in this unit: pattern, number pattern,

- Lesson 1 / flip, slide, turn
- Lesson 2 / repeating pattern
- Lesson 3 / growing pattern, shrinking pattern

Unit 7 - Multiplication and Division with 0-5, 9, and 10

OSPI words not used in this unit: divide, multiply, operation, order,

- Lesson 1 / count-by, *multiplication*, factor, *product*, multiplier
- Lesson 2 / repeated groups, in each, in every, per, equal shares drawing
- Lesson 3 / array, row, column, commutative property of multiplication

- Lesson 4 / count-by, *division*, dividend, divisor, quotient
- Lesson 5 / count-bys, multiplier, *pictograph*, *even number*, *odd number*
- Lesson 6 / count-bys
- Lesson 7 / quick 9s, multiplier finger
- Lesson 8/ fast-array drawing
- Lesson 9 / *product*, multiplier, commutative, divisor
- Lesson 10 / area, array
- Lesson 11 / repeated-group, array, equal shares drawing, fast-array drawing
- Lesson 12 / repeated addition, *multiplication*, equal shares drawing, *product*, multiplier
- Lesson 13 / count-bys, fast array, 5s shortcut
- Lesson 14 / *product*, factors, dividend, divisor, multiplier, quotient, volume, Commutative Property of Multiplication, Associative Property of Multiplication, Identity Property of Multiplication, Zero Property of Multiplication
- Lesson 15 / organized list, dividend, divisor, quotient
- Lesson 16 / multiples, quotient, divisor
- Lesson 17 / no vocabulary

Unit 8, Book 2 - Area and Perimeter

OSPI words not used in this unit: side, straightedge, measure,

- Lesson 1 / *perimeter*, area, square unit, square centimeter, square inch, square mile
- Lesson 2 / *perimeter*, area
- Lesson 3 / base, height, formula

Unit 9 - Multiplication and Division with 6,7, and 8 and Problem Solving

OSPI words not used in this unit: label, key, symbol, title, include,

- Lesson 1 / function table
- Lesson 2 / length, *width*, area, *perimeter*, fast-area drawing
- Lesson 3 / fast-array drawing
- Lesson 4 / array problem, repeated-groups problem, area problem, *equation*, variable
- Lesson 5 / no vocabulary
- Lesson 6 / times, *fraction*
- Lesson 7 / *fraction*
- Lesson 8 / square unit, area, square number
- Lesson 9 / square number, distributive property of multiplication
- Lesson 10 / square number, distributive property of multiplication
- Lesson 11 / *expression*, evaluate
- Lesson 12 / twice, half
- Lesson 13 / input, output, *rule*
- Lesson 14 / no vocabulary

Unit 10 - Time

OSPI words not used in this unit:

- Lesson 1 / quarter-hour, half-hour, A.M., P.M.
- Lesson 2 / calendar, month, year, day, week, ordinal number, elapsed time
- Lesson 3 / degrees

Unit 11 - Exploring Fractions, Decimals, Probability, and Division with Remainders

OSPI words not used in this unit: graph, chart

- Lesson 1 / *fraction, numerator, denominator*, unit fraction
- Lesson 2 / *set*
- Lesson 3 / no vocabulary
- Lesson 4 / comparison
- Lesson 5 / comparison
- Lesson 6 / *whole number, product, set*, multiple
- Lesson 7 / circle graph
- Lesson 8 / likely, certain, equally likely, probability, event, experiment, outcome, unlikely, impossible, combination
- Lesson 9 / equivalent fractions, equivalence chain, *denominator, numerator*
- Lesson 10 / whole, equivalent fractions
- Lesson 11 / *fraction*, equivalent fraction, equivalence chain, fracture, simpler fraction
- Lesson 12 / equivalent fraction, equivalence chain, *fraction*, fracture, unit fraction, common multiplier
- Lesson 13 / *fraction*, equivalence chain, fracture, simplify, simpler fraction
- Lesson 14 / *fraction*, equivalent fraction, equivalence chain, unlike fraction, *denominator*, common denominator, unit fraction
- Lesson 15 / comparison problem, equivalent fraction, *numerator denominator*
- Lesson 16 / improper fraction, decimal
- Lesson 17 / decimals, tenths, hundredths, decimal point

- **Lesson 18** / *fraction, numerator, denominator, improper fraction, mixed number*
- **Lesson 19** / *division, remainder, count-by*
- **Lesson 20** / *division, remainder, quotient, mixed number, numerator, denominator*
- **Lesson 21** / *count-by, division, remainder, mixed number*
- **Lesson 22** / no vocabulary

Unit 12 - Three-Dimensional Figures

OSPI words not used in this unit: closed figure, trapezoid, kite

- **Lesson 1** / *cube, net, two-dimensional, plane figures, three-dimensional, solid figures, face, edge, **vertex***
- **Lesson 2** / *two-dimensional, three-dimensional, volume, cubic unit*
- **Lesson 3** / *prism, base, triangular prism, square prism, net, cylinder, rectangular prism, circumference, pyramid*
- **Lesson 4** / *cone, cylinder*
- **Lesson 5** / ***circle**, radius, diameter, circumference, sphere*

Unit 13 - Measurement

OSPI words not used in this unit: thermometer,

- **Lesson 1** / *inch (in.), foot (ft), **ruler***
- **Lesson 2** / *foot, yard, mile, benchmark*
- **Lesson 3** / *centimeter (cm), decimeter (dm), meter (m), kilometer (km)*
- **Lesson 4** / ***perimeter**, area*

- **Lesson 5** / capacity, cup (c), pint (pt), quart (qt), gallon (gal)
- **Lesson 6** / liter (L), milliliter (mL), capacity, cup (c), pint (pt), half-gallon, gallon (gal)
- **Lesson 7** / improper fraction, mixed number, cup
- **Lesson 8** / inch (in.), foot (ft), yard (yd), centimeter (cm), meter (m), cup (c), pint (pt), quart (qt), gallon (gal)
- **Lesson 9** / pound (lb), ounce (oz), gram (g), kilogram (kg)
- **Lesson 10** / degrees Fahrenheit (F), degrees Celsius (C)
- **Lesson 11** / no vocabulary

Unit 14 – Directions and Locations

OSPI words not used in this unit: diagonal, location, number line,

- **Lesson 1** / map, route
- **Lesson 2** / coordinate grid, ordered pair
- **Lesson 3** / coordinate grid, ordered pair

Unit E – Extension Lessons

- **Lesson 1** – standard form, word form
- **Lesson 2** – *product*, array, Commutative Property of Multiplication, Associative Property of Multiplication, factor
- **Lesson 3** – factor, *product*
- **Lesson 4** – area, square units
- **Lesson 5** – Expanded Notation Method, Algebraic Notation Method
- **Lesson 6** – Expanded Notation Method, Shortcut Method

- **Lesson 7** - Rectangles Sections Method, Expanded Notation Method, Algebraic Notation Method
- **Lesson 8** - Shortcut Method
- **Lesson 9** - dividend, divisor, quotient, factor
- **Lesson 10** - estimate, *product*, quotient, rounding frames, compatible numbers
- **Lesson 11** - no vocabulary
- **Lesson 12** - function table, line graph

OSPI Math Vocab not covered in Math Expressions

Add, addition, attribute/property, chart, closed figure, coin, complete, conclude, conclusion, correct, diagonal, difference, disagree, divide, fewer than, fewest, figure, graph, greatest, hundreds, include, information, intersecting lines, key, kite, label, least, location, measure, model, more than, most, multiply, number, number line, number pattern, ones, operation, order, pattern, point, population, problem, relation, represent, round to the nearest, side, straightedge, student, subtract, subtraction, support, symbol, tens, thermometer, thousands, title, trapezoid, value, whole number.