

WCSD Mathematical Vocabulary

Purpose:

- Vocabulary coherence between the CCSS and the WCSD adopted math programs
- Vertical alignment of mathematical vocabulary in the elementary grades
- Identification of when specific mathematical terms are taught by grade level

Notes: There are often multiple terms that are used throughout math instruction (example: fact families, and part-part-whole relationships). This document will serve as a resource of mathematical terminology for educators, parents, and students to ensure that we speak a common mathematical language that is accurate, consistent and aligned to the standards. Words may appear in student book glossary or within lessons that are not explicitly taught at that grade level.

Kindergarten	First	Second	Third	Fourth	Fifth
above U2	<i>above, May</i>	*A.M. T8	<i>*A.M.</i> T14	acute angle T15	<i>acute angle</i>
add U3, Nov	<i>add U1, Sep</i>	<i>add</i>	acute angle	*acute triangle T16	<i>*acute triangle</i> T16
after, Sep	<i>after U7, Sep</i>	addends T1	<i>addends</i>	<i>addends</i>	<i>addends</i>
all, Feb	analog clock, Mar	<i>after</i>	<i>*angle</i> T15	algorithm T2	<i>algorithm</i>
attribute U2	<i>attribute U1</i>	*angle T15	angle measure	<i>*angle</i>	<i>*angle</i>
before, Sep	*bar graph, Jan	*array T2	*area T6	angle measure T15	<i>angle measure</i>
behind, Dec	<i>before U7, Sep</i>	bar diagram T2	<i>*array</i> T1	<i>*area</i> T13	<i>*area</i>
below U2	<i>between U1, Nov</i>	<i>*bar graph</i> T14	*Associative Property of Addition T8	<i>*array</i>	<i>*array</i>
beside U2	<i>*cent</i> U2	<i>before</i>	*Associative Property of Multiplication T3	<i>*Associative Property of Addition</i> T2	<i>*Associative Property of Addition</i> T2
between, Sep	<i>circle U1, Nov</i>	break apart T3	*benchmark fraction	<i>*Associative Property of Multiplication</i> T3	<i>*Associative Property of Multiplication</i>
*cent U4	clock face, Nov	<i>*cent</i> T8	*capacity T14	<i>bar diagram</i>	<i>bar diagram</i>
circle U1, Sep	<i>*column, Sep</i>	*centimeter T12	<i>*centimeter (cm)</i>	<i>*bar graph</i>	<i>*bar graph</i>
*column, Feb	<i>*compare U1</i>	coins	<i>*column</i> T1	*benchmark fraction T8	base T1
*compare U2, Oct	<i>*cone U1</i>	<i>*column</i> T2	*Commutative Property of Addition T8	<i>break apart</i>	<i>*benchmark fraction</i> T7
*cone, Nov	congruent, Feb	<i>*compare</i> T9	*Commutative Property of Multiplication T1	<i>*capacity</i> T13	braces T13
*count, Sep	<i>*count, Sep</i>	*compatible numbers T4	<i>*compare</i>	<i>*centimeter (cm)</i> T13	brackets T13
*count back, Dec, U4	<i>*count back U7</i>	*compensation T3		century	<i>break apart</i>
*count on, Dec, U4	<i>*count on U6</i>	<i>cone</i>		common denominator	<i>*capacity</i> T11
*cube, Nov	<i>cube U1, Sep</i>	<i>*cube</i> T15		common factor T8	<i>*centimeter (cm)</i> T11
*cylinder, Nov	<i>*cylinder U1, Sep</i>	<i>cylinder</i>		<i>*Commutative Property of Addition</i> T2	common denominator T7
*digit, Sep	*difference U2	<i>*data</i> T14			<i>common factor</i>
*dime, U6	<i>*digit, Sep</i>	decrease T9			

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<p>down, Oct *edge U6 *equal, Oct, U3 *equation U3, Nov *estimate, Sep expression U6 *face U6 *fact family U8 graph, Mar *greater than U1 *half U2 heavy/heavier/heaviest, Apr, U7 *height, Nov *hexagon U2 in front of, Dec inside, Dec *least, Dec *length, Sep *less, Oct, U3 *less than U1 light/lighter/lightest, Apr, U7 *line, Oct *long/longer/longest, Nov, U4 *more, Oct, U3 *most U1 next to U2 *nickel U4 none, Feb *number U1, Sep one U1 one's number, Jan *ones, Sep</p>	<p>digital clock, Mar <i>*dime U2</i> <i>*edge U1</i> <i>*equal U3</i> <i>*equation U1</i> <i>*estimate U1</i> *even number U2 <i>expression U1</i> <i>*face U1</i> <i>*fact family U2</i> *foot (ft.) U6 fourth U2, Nov *fraction, Nov <i>*greater than U1</i> <i>*half U2</i> half-hour (Mar) <i>*height U6</i> <i>*hexagon U1</i> hour (hr.) Nov *hundreds, U7 *inch (in.) U4 <i>*least, Sep</i> <i>*length U7</i> <i>*less U1</i> <i>*less than U1, Sep</i> <i>*long/longer/longest U8</i> minute (min.) Nov missing number, May <i>*more U1</i> <i>*most, Sep</i> <i>*nickel, Sep</i> <i>*number, Sep</i> *number line, Sep</p>	<p><i>*denominator</i> <i>*difference T1</i> <i>*digit T9</i> <i>*dime T8</i> division divided by dollar T8 dollar bills T8 dollar sign T8 doubles T1 <i>*edge T15</i> eighths equal groups equal shares T15 *equals (=) T9 <i>*equation T1</i> <i>*estimate T12</i> <i>*even T2</i> *expanded form T9 <i>*face T15</i> <i>*fact family</i> factor flat surface <i>*foot (ft) T12</i> fourths T15 <i>*fraction</i> *greater than (>) T9 greatest greatest value T8 half-dollar T8 half past T8 *halves (half) T15 <i>*height T12</i> heptagon</p>	<p><i>*compatible numbers T8</i> <i>*compensation concave T15</i> cone *conjecture T9 convex T15 <i>*cube cylinder</i> <i>*data T6</i> decompose degrees *denominator T12 <i>*difference</i> <i>*digit</i> *Distributive Property T3 dividend T4 division T1 divisor T4 <i>dollar sign</i> <i>*edge</i> eighths elapsed time T14 equal (equality) equal groups T1 <i>*equation T1</i> *equilateral triangle T16 *equivalent fractions T13 <i>*estimate T6</i> <i>*even number T4</i> <i>*expanded form</i> <i>*face</i></p>	<p><i>*Commutative Property of Multiplication T3</i> <i>*compare</i> <i>*compatible numbers T4</i> <i>*compensation T2, T3</i> compose T9 composite number T7 <i>*conjecture T1</i> <i>*count on T2</i> <i>*cube</i> cubic unit *cup (c) T13 customary units of measure <i>*data</i> decade decimal T12 decimal point T12 decompose T9 degrees T15 <i>*denominator T8</i> <i>*digit</i> <i>*Distributive Property T2</i> divide <i>dividend</i> divisibility rules divisible <i>divisor</i> dot plot <i>elapsed time</i> <i>*equation</i> <i>*equilateral triangle T16</i> equivalent <i>*equivalent fractions T8</i> <i>*estimate</i> <i>*expanded form T1</i></p>	<p><i>*Commutative Property of Addition T2</i> <i>*Commutative Property of Multiplication</i> <i>*compatible numbers T2</i> <i>*compensation T2</i> <i>compose</i> <i>composite number</i> <i>*conjecture</i> coordinate grid T14 corresponding terms T15 *cube T10 cubic unit T10 <i>*cup (c) T11</i> customary units of measure measure <i>*data T12</i> <i>decimal</i> <i>decimal point</i> decimeter (dm) <i>decompose</i> <i>degrees</i> <i>*denominator</i> <i>*Distributive Property</i> <i>dividend</i> divisible <i>divisor</i> dot plot <i>elapsed time</i> <i>*equation</i> <i>*equilateral triangle T16</i> equivalent equivalent decimals T1 <i>*equivalent fractions T7</i> <i>*estimate</i></p>
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<p>order U4 outside, Dec *pattern U1, Sep *penny U4 *pyramid U6 *rectangle U2 *rectangular prism U6 *rhombus U2 *row U2 sequence, Dec *short/shorter/shor test, Nov, U4 *sphere, Nov *square U2 *subtract U3 *sum or total, Sep teen's number, Jan *tens, Sep *three-dimensional *(3-D) shape, Nov to the left, Oct to the right, Oct *trapezoid U2 *triangle U1, Sep *triangular prism U6 *two-dimensional (2-D) shape, Nov up, Oct *vertex or corner U5 *weight, Apr, U7</p>	<p>*odd number U2 <i>*ones U1</i> open number line U4 *parallelogram, Feb <i>*pattern, Sep</i> <i>*penny U1, Sep</i> *picture graph, Oct *polygon (Apr) <i>*pyramid U1</i> *quarter (May) <i>*rectangle U1</i> <i>*rectangular prism, Dec</i> <i>*rhombus U1</i> <i>*row, Sep</i> second (sec.) U8 *side U5 <i>*short/shorter/shor test U8</i> <i>*sphere U1</i> <i>*subtract U2, Oct</i> <i>*sum or total U2, Oct</i> *symmetry (Apr) <i>*tens U1</i> third U5 <i>*three-dimensional *(3-D) shape U1</i> <i>*trapezoid U1</i> <i>*triangle U1</i> <i>*triangular prism U1</i> <i>*two-dimensional (2-D) shape U1</i></p>	<p><i>*hexagon T15</i> <i>hour</i> <i>*hundred T9</i> <i>*inch (in.) T12</i> increase T9 <i>*least</i> least value T8 <i>*length</i> <i>*less than (<) T9</i> *line plot T14 mental math T3 *meter (m) T12 <i>minute</i> <i>multiplication</i> near doubles T1 nearest centimeter T12 nearest inch T12 <i>next ten</i> <i>*nickel T8</i> <i>nonagon</i> <i>*number line</i> <i>*numerator</i> <i>octagon</i> <i>*odd number T2</i> <i>*ones T3</i> <i>*open number line T3</i> <i>order</i> <i>*parallelogram</i> <i>part</i> partial sum T4 <i>*penny T8</i> pentagon T15 <i>*picture graph T14</i></p>	<p><i>*fact family T4</i> *factor T1 <i>*foot (ft)</i> <i>fourth</i> <i>*fraction T12</i> frequency table T6 <i>*gram (g) T14</i> <i>*half (halves)</i> <i>half hour</i> <i>hexagon</i> *Identity (Zero) Property of Addition T8 Identity(One) Property of Multiplication T2 <i>*inch (in.)</i> <i>intersecting lines</i> *inverse operations T8 key T6 *kilogram (kg) T14 <i>*kilometer (km)</i> <i>*line</i> <i>*line plot T12</i> <i>line segment</i> *liter (L) T14 *mass T14 <i>*meter (m)</i> <i>mile (mi)</i> *milliliter (mL) T14 <i>minute</i> <i>*mixed number</i> *multiple T2 multiplication T1</p>	<p><i>expression</i> factor pairs T7 <i>*factor T7</i> *fluid ounce (fl oz) T13 <i>*foot (ft)</i> <i>formula</i> <i>*fraction T8</i> <i>frequency</i> <i>frequency table</i> *gallon (gal) T13 generalize T7 <i>*gram (g) T13</i> <i>*greater than (>) T1</i> <i>hexagon</i> hundredth T12 <i>*Identity Property of Addition T2</i> <i>Identity Property of Multiplication</i> <i>*inch (in.)</i> <i>inequality</i> intersecting lines T16 <i>interval</i> <i>*inverse operations T2</i> *isosceles triangle T16 <i>*kilogram (kg) T13</i> *kilometer (km) T13 <i>*less than (<) T1</i> <i>*line T15</i> line of symmetry T16 <i>*line plot T11</i> line segment T15 line symmetric T16 <i>*liter (L)-T13</i> <i>*mass-T13</i></p>	<p>evaluate T13 <i>*expanded form T1</i> exponent T1 <i>expression</i> <i>factor pairs</i> <i>*factor</i> <i>*fluid ounce (fl oz) T11</i> <i>*foot (ft) T11</i> formula T10 <i>*fraction</i> <i>frequency</i> <i>frequency table</i> <i>*gallon (gal) T11</i> <i>generalize</i> <i>*gram (g) T11</i> <i>greater than symbol (>)</i> <i>hundredth</i> <i>*Identity Property of Addition</i> <i>Identity Property of Multiplication</i> <i>*inch (in.) T11</i> <i>inequality</i> <i>intersecting lines</i> <i>interval</i> <i>*inverse operations</i> <i>*isosceles triangle T16</i> <i>*kilogram (kg) T11</i> <i>*kilometer (km) T11</i> <i>*less than (<)</i> <i>line of symmetry</i> <i>*line plot T12</i> <i>line segment</i> <i>*liter (L) T11</i> <i>*mass T11</i></p>
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	<p><i>*vertex or corner</i> <i>U1</i> <i>*weight U8</i> whole, Nov</p>	<p>place-value chart T9 plane shape *P.M. T8 <i>*polygon</i> T15 product <i>*pyramid</i> *quadrilateral T15 <i>*quarter</i> T8 quarter past T8 quarter to T8 <i>rectangular prism</i> *regroup T4 related repeated addition *right angle T15 <i>*row</i> T2 separate <i>*side</i> solid figure <i>*sphere</i> standard form T9 <i>*subtract</i> <i>*sum</i> T1 symbol T14 tally mark T8 <i>*tens</i> T3 thirds T15 thousand T9 times <i>*trapezoid</i> <i>triangular prism</i> unequal unit *unit fraction</p>	<p>nearest fourth inch T12 nearest half inch T12 not equal <i>*number line</i> T1 *numerator T12 obtuse angle octagon <i>*odd number</i> T4 <i>*open number line</i> T10 <i>order</i> <i>*ounce (oz.)</i> <i>*P.M.</i> T14 parallel lines parallel sides T15 <i>*parallelogram</i> T15 <i>pentagon</i> *perimeter T16 perpendicular lines <i>*pint (pt)</i> *place value T8 point <i>*polygon</i> T15 <i>*pound (lb)</i> product T1 <i>*quadrilateral</i> T15 <i>*quart (qt)</i> quarter hour quotient T4 ray <i>*rectangle</i> T15 <i>*rectangular prism</i> <i>*regroup (regrouping)</i> T9</p>	<p><i>*meter (m)</i> T13 metric units of measure mile (mi) millennium <i>*milligram (mg)</i> T13 <i>*milliliter (mL)</i> T13 *millimeter (mm) T13 millions T1 *mixed number T9 <i>*multiple</i> T7 <i>*numerator</i> T8 *numerical expression T3 obtuse angle T15 *obtuse triangle T16 octagon <i>*ounce (oz)</i> T13 *outlier T11 overestimate parallel lines T16 <i>*parallelogram</i> T16 *partial products T3 partial quotients T5 <i>pentagon</i> <i>*perimeter</i> T13 period T1 perpendicular lines T16 *pint (pt) T13 <i>*place value</i> T1 point T15 <i>*polygon</i> *pound (lb) T13 prime number T7 <i>product</i> protractor T14 <i>*quadrilateral</i></p>	<p><i>*meter (m)</i> T11 metric units of measure mile (mi) T11 millennium <i>*milligram (mg)</i> T11 <i>*milliliter (mL)</i> T11 <i>millions</i> <i>*millimeter (mm)</i> T11 <i>*mixed number</i> T7 <i>*multiple</i> number sequence T15 <i>*numerator</i> <i>*numerical expression</i> T13 <i>obtuse angle</i> <i>*obtuse triangle</i> T16 octagon order of operations T13 ordered pair T14 <i>*ounce (oz)</i> T11 <i>*outlier</i> T12 origin overestimate T3 <i>parallel lines</i> <i>*parallelogram</i> T16 parentheses T13 <i>*partial products</i> T3 <i>partial quotients</i> <i>pentagon</i> <i>*perimeter</i> <i>period</i> <i>perpendicular lines</i> <i>*pint (pt)</i> T11 <i>*polygon</i> <i>*pound (lb)</i> T11 power T1</p>
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		<p>*unknown *vertices (vertex) T15 <i>whole</i> width word form T9 *yard (yd) T12</p>	<p>remainder <i>*rhombus</i> T15 <i>*right angle</i> T15 *rounding T8 <i>*row</i> T1 scale T6 scaled bar graph T6 scaled picture graph T6 <i>*side</i> T15 sixth solid figure <i>*sphere</i> <i>*square</i> T15 square unit T6 <i>standard form</i> straight angle <i>*sum</i> survey T6 <i>tally mark</i> <i>third</i> time interval T14 <i>*trapezoid</i> T15 <i>*triangle</i> <i>*triangular prism</i> unit angle *unit fraction T12 unit square T6 *unknown T1 vertex of a polygon T15 week <i>*weight</i> <i>word form</i> <i>*yard</i> (yd)</p>	<p>*quart (qt) T13 <i>quotient</i> ray T15 <i>*rectangle</i> T16 <i>*rectangular prism</i> <i>*regroup</i> remainder T5 repeated addition repeating pattern T14 <i>*rhombus</i> T16 <i>*right angle</i> T15 *right triangle T16 <i>*rounding</i> T1 rule T14 <i>scale</i> *scalene triangle T16 sequence <i>*side</i> solid figure solution solve an equation <i>*square</i> T16 <i>square unit</i> <i>standard form</i> straight angle T15 <i>survey</i> tablespoon (tbsp.) teaspoon (tsp) tenth T12 terms ton (T) <i>*trapezoid</i> T16 underestimate unit angle T15 <i>*unit fraction</i> T10</p>	<p><i>prime number</i> <i>product</i> <i>protractor</i> <i>*quadrilateral</i> <i>*quart</i> (qt) T11 <i>quotient</i> <i>ray</i> <i>*rectangle</i> T16 <i>*rectangular prism</i> T10 <i>remainder</i> repeated addition <i>repeating pattern</i> <i>*rhombus</i> T16 <i>*right angle</i> <i>*right triangle</i> T16 <i>*rounding</i> <i>rule</i> <i>scale</i> <i>*scalene triangle</i> T16 solve an equation <i>*square</i> T16 <i>square unit</i> <i>standard form</i> <i>straight angle</i> <i>survey</i> tablespoon (tbsp.) teaspoon (tsp) <i>tenth</i> terms thousandths T1 ton (T) T11 <i>*trapezoid</i> T16 underestimate T3 <i>unit angle</i> unit cube T10</p>
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			<p>*Zero Property of Multiplication T2</p>	<p><i>*unknown</i> *variable T2 <i>*vertex</i> (plural: vertices) T15 volume <i>*weight</i> T13 whole numbers <i>*yard (yd)</i> <i>Zero Property of Multiplication</i></p>	<p><i>*unit fraction</i> T9 <i>*unknown</i> value T1 <i>*variable</i> T3 <i>*vertex</i> (plural: vertices) volume T10 <i>*weight</i> T11 whole numbers X-axis T13 X-coordinate T13 <i>*yard (yd)</i> T11 Y-axis T13 Y-coordinate T13 <i>Zero Property of Multiplication</i></p>
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