

## STAAR ALTERNATE 2 INSTRUCTIONAL TERMS FOR MATHEMATICS

For all subject areas, TEA provides a list of specific instructional terms that students will need exposure to during classroom instruction because the terms may be used on the assessment. However, the lists do not reference all the content a student would be responsible for. Students must become familiar with these terms as they are developmentally able to comprehend the content. Students in higher grades need to also know the terms presented in earlier grades.

Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Algebra
<p><b>Numerical Representations and Relationships, and Computations and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• add, addition, plus</li> <li>• equals, equal to</li> <li>• equal pieces</li> <li>• equal-sized pieces</li> <li>• equal-sized parts</li> <li>• even, odd</li> <li>• exact, exactly</li> <li>• hundreds chart</li> <li>• missing number, missing total</li> <li>• number chart</li> <li>• number sentence</li> <li>• subtract, subtraction, minus, take away</li> <li>• symbols: +, -, =</li> <li>• ten frame</li> <li>• total, total number</li> <li>• whole</li> </ul> <p><b>Geometry and Measurement</b></p> <ul style="list-style-type: none"> <li>• corner, corners</li> <li>• distance</li> <li>• figure: cone, cube, cylinder, prism</li> <li>• inch, inches</li> <li>• length</li> <li>• long, longer, short, shorter, tall, taller</li> <li>• large, larger, small,</li> </ul>	<p><b>Numerical Representations and Relationships</b></p> <ul style="list-style-type: none"> <li>• altogether</li> <li>• base-10 blocks</li> <li>• compare(s)</li> <li>• fourth(s)</li> <li>• fraction</li> <li>• halves</li> <li>• larger than, smaller than</li> <li>• one-half</li> <li>• ones, tens, hundreds</li> <li>• third(s)</li> </ul> <p><b>Computation and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• divide(d) into</li> <li>• divide(d) equally</li> <li>• equal parts</li> </ul> <p><b>Geometry Measurement</b></p> <ul style="list-style-type: none"> <li>• angle</li> <li>• cup, cups</li> <li>• wide, widest, width</li> <li>• empty, full, half-full</li> <li>• shapes: pentagon</li> </ul> <p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• bar graph</li> <li>• cost</li> <li>• credit card</li> <li>• job</li> </ul>	<p><b>Numerical Representations and Relationships</b></p> <ul style="list-style-type: none"> <li>• unknown number</li> <li>• number line</li> </ul> <p><b>Computations and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• compose, composed</li> <li>• difference</li> </ul> <p><b>Geometry and Measurement</b></p> <ul style="list-style-type: none"> <li>• feet, foot</li> <li>• layer</li> <li>• shapes: oval, parallelogram, rhombus, trapezoid</li> <li>• unit(s)</li> <li>• volume</li> </ul> <p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• ATM</li> <li>• deposit, depositing</li> <li>• savings account</li> <li>• withdrawal, withdrawing</li> </ul>	<p><b>Numerical Representations and Relationships</b></p> <ul style="list-style-type: none"> <li>• eighth(s)</li> <li>• equivalent, equivalent fractions</li> <li>• equal value</li> <li>• expanded form</li> <li>• located</li> <li>• standard form</li> <li>• place value blocks</li> <li>• sixth(s)</li> </ul> <p><b>Computation and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• array</li> <li>• equation</li> <li>• formula</li> <li>• input-output table</li> <li>• multiply, times</li> <li>• rule</li> <li>• strip diagram</li> <li>• symbols: <math>\times</math>, <math>\div</math></li> </ul> <p><b>Geometry and Measurement</b></p> <ul style="list-style-type: none"> <li>• pound (lb.)</li> <li>• ton</li> <li>• perimeter formula</li> <li>• dot, point</li> </ul>	<p><b>Probability and Numerical Representations, and Computations and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• digit</li> <li>• chance</li> <li>• combine, combination</li> <li>• less/more likely</li> <li>• random</li> <li>• thousand(s)</li> <li>• twice (as)</li> </ul> <p><b>Geometry and Measurement</b></p> <ul style="list-style-type: none"> <li>• area, area formula = length <math>\times</math> width</li> <li>• figure: rectangular prism, sphere</li> <li>• shapes: quadrilateral</li> <li>• two-dimensional, three-dimensional</li> </ul> <p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• frequency table</li> <li>• key</li> <li>• pictograph</li> <li>• paid, pay</li> </ul>	<p><b>Numerical Representations and Relationships</b></p> <ul style="list-style-type: none"> <li>• decimal</li> <li>• decimal model</li> <li>• hundredths, tenths</li> </ul> <p><b>Computations and Algebraic Relationships</b></p> <ul style="list-style-type: none"> <li>• additive</li> <li>• multiplicative</li> <li>• pattern (number patterns)</li> <li>• proportional</li> <li>• rate</li> <li>• two times, three times, four times</li> </ul> <p><b>Geometry and Measurement</b></p> <ul style="list-style-type: none"> <li>• fold, unfold</li> <li>• highest, lowest</li> <li>• irregular</li> <li>• location(s)</li> <li>• line of symmetry</li> </ul> <p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• coordinate grid</li> <li>• ordered pair</li> <li>• scatterplot</li> <li>• stem and leaf plot</li> </ul>	<p><b>Numeric and Algebraic Methods</b></p> <ul style="list-style-type: none"> <li>• equivalent expression</li> <li>• factor(s)</li> <li>• hour(s)</li> <li>• minute(s)</li> <li>• multiplication pattern</li> <li>• order of operations</li> <li>• simplified form</li> </ul> <p><b>Linear, Quadratic, and Exponential Functions, Equations, and Inequalities</b></p> <ul style="list-style-type: none"> <li>• grid</li> <li>• power of, squared</li> <li>• process (input, output)</li> <li>• quantity of</li> <li>• x-axis</li> <li>• y-axis</li> </ul>

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Grade 3	Grade 4		Grade 6			
<ul style="list-style-type: none"> <li>smaller</li> <li>• length, long, longer</li> <li>perimeter</li> <li>• measure,</li> <li>measurement</li> <li>• ruler</li> <li>• scale, weight</li> <li>• shapes: circle,</li> <li>hexagon, rectangle,</li> <li>square, triangle</li> <li>• sides</li> </ul> <hr/> <p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• amount</li> <li>• bank account</li> <li>• buy, buying</li> <li>• cents, dollar, money</li> <li>• charity</li> <li>• chart</li> <li>• coin: dime, nickel,</li> <li>penny, quarter</li> <li>• data</li> <li>• donate, donation,</li> <li>donating, giving</li> <li>• earn, earns, earned,</li> <li>earning, income</li> <li>• model</li> <li>• picture graph</li> <li>• piggy bank</li> <li>• represent</li> <li>• receive, receiving</li> <li>• save, saved, saving,</li> <li>savings</li> <li>• spend, spending</li> <li>• symbols: \$, ¢</li> <li>• tally chart, tally</li> <li>marks</li> <li>• work, working</li> </ul>	<ul style="list-style-type: none"> <li>• need(s), want(s)</li> <li>• paid, pay, paying</li> <li>• table</li> <li>• skill(s)</li> <li>• sell, selling, sold</li> </ul>		<p><b>Data Analysis and Personal Financial Literacy</b></p> <ul style="list-style-type: none"> <li>• charge(d)</li> <li>• consumer, producer</li> <li>• expense(s)</li> <li>• survey, surveyed</li> <li>• total cost</li> </ul>			