

CLOSE Reading Placemat for Numeracy

C	L	O	S	E
<ul style="list-style-type: none"> • Check for and highlight vocabulary that represents ordinal & cardinal numbers, numerals, symbols, and general words that represent quantity, operations, & measurement 	<ul style="list-style-type: none"> • Look for and highlight key details in the text to help you to generate a problem or format a solution to a problem or task 	<ul style="list-style-type: none"> • Observe how the text and/or problem/task is organized. Notice and review key math/science terms, symbols, labels, units of measure previously highlighted 	<ul style="list-style-type: none"> • Seek out signal words (twice, percent of..) that might alert you to a math operation, formula, or algorithm to help you to generate or solve a problem/task 	<ul style="list-style-type: none"> • Evaluate how this problem/task relates to real world situations • Explain how you solved the problem/task
<p style="text-align: center;">Math Vocabulary</p> <ul style="list-style-type: none"> • Ordinal numbers (1st, 2nd, 3rd) • Cardinal numbers (one, two, ...) • Numerals/symbols (1862) • General Words that represent <ul style="list-style-type: none"> ○ Quantity-(fewer, most, more) ○ Operations-(twice, plus, percent of) ○ Measurement-(pounds, cask, bale) • Math/Science Affixes (peri-around, equi-equal, meter-measure) 	<p style="text-align: center;">Data Analysis/ interpretation</p> <ul style="list-style-type: none"> • Factual data & statistics • Connotative meanings • Charts • Tables • Maps • Diagrams • Graphs 	<p style="text-align: center;">Branches of Mathematics</p> <ul style="list-style-type: none"> • Measurement/data • Operations/algebraic reasoning • Expressions & Equations • Probability & Statistics • Ratio & Proportional Reasoning • Geometry 	<p style="text-align: center;">Problem Solving Structures (operations, algorithms, rules,)</p> <p>Ex. "In the 1860s, many soldiers did not recover from surgery. They got infections and died, but fewer died in Tompkins' care. Robertson House handled more than 1,300 patients and only 73 soldiers died there."</p> <p>Estimate the percentage of soldiers that Tompkins and her nurses were able to keep alive.</p>	<p style="text-align: center;">Real World Application</p> <ul style="list-style-type: none"> • Economics/Finance (salaries, banking, profits, paying bills, production/consumption, loss) • Measurement (Conversions in culinary, nutritional facts, automotive, health/medicine, banking, architecture, tailoring) • Surveys/Statistics (Conducting research, information gathering) • Chronology (Time-line, elapsed time, life cycles...)
				