

Park Ridge Public Schools
Mathematics Report Card Rubric
Grade 2

1) Understands and applies mathematical concepts

Trimester	1	2	3	ES
1 st	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	Consistently demonstrates an understanding of the following concepts: <u>Unit 1: Operations and Algebraic Thinking</u> <ul style="list-style-type: none"> • Addition and subtraction • Joining parts of a whole as an interpretation of addition • Number sentences • Counting strategies • Connect addition and subtraction • Inverse relationship of addition and subtraction • Problem solving • Number relationships of 0-more-than • Double facts • Related double facts to solve near doubles • Commutative property • Grouping addends to solve • Create diagrams and number sentences • Thinking addition to subtract doubles • Inverse relationship between addition and subtraction to solve problems • Related subtraction facts to find a missing part or addend in an addition number sentence • Multiplication concepts • Arrays • Multiplication stories • Vertical form <u>Unit 2: Numbers and Operations in Base Ten</u> <ul style="list-style-type: none"> • Place value • Mental addition, subtraction • Numbers and patterns to 1000 	Independently and Consistently exceeds expectations for this trimester

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			<ul style="list-style-type: none"> • Three digit addition and subtraction • Models, symbols to compare numbers • Number patterns on a hundred chart • Regrouping • Inverse relationship to check subtraction • Money • Estimate • Graphs 	
2 nd	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	<p>Consistently demonstrates an understanding of the following concepts:</p> <p><u>Unit 3: Measurement and Data</u></p> <ul style="list-style-type: none"> • Place value • Properties of operations • Shapes and their attributes • Measure and estimate lengths in standard units • Measurement: length and area • Relate addition and subtraction to length • Inches, centimeters, feet, yards, meters • Compare, graph length • Perimeter • Time • Estimate • Temperature, Fahrenheit, Celsius • Money • Represent and interpret data • Graphs and probability • Pictographs, bar graphs • Coordinate graphs • Represent and solve problems • Problem solve multiple-step-problems 	Independently and Consistently exceeds expectations for this trimester
3 rd	Rarely or never meets the expectations for this trimester	Inconsistently	<p>Consistently demonstrates an understanding of the following concepts:</p> <p><u>Unit 4: Geometry</u></p> <p>Reason with Shapes and their attributes</p>	Independently and Consistently exceeds expectations for this trimester

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		meets the expectations for this trimester	<p>Flat surface, vertices and edges</p> <p>Three dimensional or solid figures have length, width and height</p> <p>Relate plane shapes to solid figures</p> <p>Polygons and angles</p> <p>Make new shapes, cut shapes apart</p> <p>Divide rectangles</p> <p>Congruence</p> <p>Symmetry</p> <p>Problem solve using reasoning</p> <p>Fractions</p> <p>Whole and equal parts</p> <p>A region can be divided into equal -sided parts in different ways</p> <p>Unit fractions and regions</p> <p>Estimate fractional parts</p>	
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2) Knows grade-level math facts

Trimester	1	2	3	ES
All	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	Consistently applies grade-level math facts with speed and accuracy	Independently and Consistently exceeds expectations for this trimester

3) Applies problem-solving strategies

Trimester	1	2	3	ES
All	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	Consistently uses a variety of reasonable strategies to solve problems	Independently and Consistently exceeds expectations for this trimester

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4) Computes accurately

Trimester	1	2	3	ES
All	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	Consistently identifies appropriate operation and mathematically computes the correct answer	Independently and Consistently exceeds expectations for this trimester

5) Communicates mathematical thinking

Trimester	1	2	3	ES
All	Rarely or never meets the expectations for this trimester	Inconsistently meets the expectations for this trimester	Consistently communicates mathematical thinking and accurately explains strategies utilized orally and in writing	Independently and Consistently exceeds expectations for this trimester