

School District 196 Kindergarten

Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number Sense	<p>Student does not yet demonstrate grade level number concepts and counting skills.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not yet recognize, read, write or represent numerals. 	<p>Student demonstrates progress toward an understanding of grade level number concepts, counting skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • is developing skills to read, write and represent numerals. 	<p>Student demonstrates an understanding of grade level number concepts, counting skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • reads, writes and represents numerals. 	<p>Student demonstrates and extends grade level number concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • counts fluently and accurately.
Operations	<p>Student does not yet solve problems involving numbers.</p>	<p>Student solves problems with teacher assistance.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses concrete objects to solve problems, and • is beginning to explain problem-solving verbally and/or on paper. 	<p>Student uses direct modeling and/or counting strategies to solve problems.</p> <p>Student...</p> <ul style="list-style-type: none"> • explains problem solving verbally, through pictures and/or with numbers. 	<p>Student uses counting and/or number strategies to solve problems.</p> <p>Student...</p> <ul style="list-style-type: none"> • explains problem-solving verbally and with pictures and numbers.
Patterns	<p>Student does not yet demonstrate an understanding of grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not yet recognize or extend patterns. 	<p>Student demonstrates progress toward an understanding of grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes, extends, creates and/or describes patterns using at least one of the following: shape, color or size. 	<p>Student demonstrates an understanding of grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • identifies, creates and extends repeating patterns using shape, color, size and number patterns. Patterns may be growing or shrinking. 	<p>Student demonstrates and extends grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • identifies, creates, extends, describes and analyzes patterns. Patterns are repeating, growing and shrinking.

School District 196 Kindergarten

Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry	<p>Student does not yet demonstrate an understanding of grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not yet sort and/or describe shapes, and • does not recognize 2-dimensional shapes. 	<p>Student demonstrates progress toward an understanding of grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • sorts 2- and/or 3-dimensional shapes, and • recognizes 2-dimensional shapes. 	<p>Student demonstrates an understanding of grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes sorts, and describes 2-and 3-dimensional shapes, and • uses 2- and 3-dimensional shapes to model real world objects. 	<p>Student demonstrates and extends grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • identifies, sorts and describes 2- and 3-dimensional shapes using mathematical language.
Measurement	<p>Student does not yet demonstrate an understanding of grade level measurement concepts, skills and vocabulary.</p>	<p>Student demonstrates progress toward an understanding of grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • measures some objects by comparison. 	<p>Student demonstrates an understanding of grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • compares objects by length, size, weight and position, and • orders objects by length and weight. 	<p>Student demonstrates and extends grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • measures objects accurately using mathematical language.

School District 196 Grade One Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number and operations	<p>Student does not yet demonstrate an understanding of grade level number concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not yet solve problems involving numbers. 	<p>Student demonstrates progress toward an understanding of grade level number concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need assistance solving problems involving numbers, and • explains problem solving verbally and/or through pictures. 	<p>Student demonstrates an understanding of grade level number concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses strategies to solve problems involving numbers; • explains problem solving verbally, through pictures and with numbers, and • is beginning to use sentences to explain mathematical thinking. 	<p>Student demonstrates and extends grade level number concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • demonstrates an understanding of multi-digit numbers; • explains problem solving efficiently and accurately, and • explains problem solving verbally, in writing, and with numbers.
Patterns (Algebra)	<p>Student does not yet demonstrate an understanding of grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not recognize, describe or extend patterns. 	<p>Student demonstrates progress toward understanding of grade level patterns concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes, extends, describes and creates simple patterns using two or three objects, and • may solve missing number equations, but may not identify if equations are true or false. 	<p>Student demonstrates an understanding of grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes, extends, describes and creates patterns using objects, pictures, numbers and rules; • uses objects and number sentence to represent problems, and • determines if addition or subtraction equations are true and can identify a missing number in an equation. 	<p>Student demonstrates and extends grade level pattern concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes, extends, describes, creates and analyzes patterns, and • independently solves equations using numbers and mathematical symbols.

School District 196 Grade One Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry	<p>Student does not yet understand grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • does not yet sort or describe shapes, and • does not recognize 2-dimensional shapes. 	<p>Student demonstrates progress toward an understanding of grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • sorts 2- and/or 3-dimensional shapes, and • recognizes 2-dimensional shapes. 	<p>Student demonstrates an understanding of grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • identifies, sorts, describes, and can compose and decompose 2-and 3-dimensional shapes. Example: Decompose a regular hexagon into 6 equilateral triangles. 	<p>Student demonstrates and extends grade level geometry concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • identifies, sorts and describes 2- and 3-dimensional shapes using mathematical language.
Measurement	<p>Student does not yet understand grade level measurement concepts, skills and vocabulary.</p>	<p>Student demonstrates progress toward an understanding of grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes some coins; • measures items, comparing and ordering them by size, and • tells time to the hour, but not the half hour. 	<p>Student demonstrates an understanding of grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • tells time to the hour and half-hour; • identifies and determines the value of coins, and • measures items using nonstandard units. 	<p>Student demonstrates and extends grade level measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • tells time accurately; • identifies and determines the value of coins, and • measures items accurately, using standard and nonstandard units.

School District 196 Grade Two Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number, Operations and Algebra Content and Applications	<p>Student does not yet demonstrate an understanding of grade level mathematical concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level mathematical concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when solving problems; • uses concrete representations and/or count-by-ones strategies when computing and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level mathematical concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses a variety of strategies when computing and solving problems; • usually computes and solves problems accurately; • begins to recognize connections among mathematical ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with verbal and written explanations. 	<p>Student demonstrates and extends grade level mathematical concepts, skills and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses and adapts number strategies based on the problem; • recognizes and applies connections among mathematical ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language and/or symbolic notation.

School District 196 Grade Two Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry and Measurement Content and Applications	<p>Student does not yet demonstrate an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when solving problems, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • begins to recognize connections among geometry and measurement ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with verbal and written explanations. 	<p>Student demonstrates and extends grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among geometry and measurement ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language.
Data Content and Applications	<p>Student does not yet demonstrate an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when solving problems, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • begins to recognize connections among data ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with verbal and written explanations. 	<p>Student demonstrates and extends grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among data ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language.

School District 196 Grade Two Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Mathematics Habits	<p>Student...</p> <ul style="list-style-type: none"> • rarely participates and attends during classroom and small group discussions; • rarely completes tasks and/or frequently has assignments that are missing; • rarely takes advantage of extension learning opportunities (when appropriate), and • rarely demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student ...</p> <ul style="list-style-type: none"> • occasionally participates and attends during classroom and small group discussions; • occasionally has tasks that are missing or incomplete; • occasionally takes advantage of extension learning opportunities (when appropriate), and • occasionally demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • usually participates and attends during classroom and small group discussions; • usually completes tasks and shows evidence of mathematical thinking; • usually completes extension learning opportunities (when appropriate), and • usually demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • consistently participates and attends during classroom and small group discussions; • consistently completes tasks and shows evidence of mathematical thinking; • consistently completes extension learning opportunities (when appropriate), and • consistently demonstrates enthusiasm, perseverance and a positive attitude towards mathematics.

School District 196 Grade Three Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number, Operations and Algebra Content and Applications	<p>Student does not yet demonstrate an understanding of grade level mathematical concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level mathematical concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when computing and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level mathematical concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses a variety of strategies when computing and solving problems; • usually computes and solves problems accurately; • begins to recognize connections among mathematical ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with written explanations. 	<p>Student demonstrates and extends grade level mathematical concepts, skills and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses and adapts number strategies based on the problem; • recognizes and applies connections among mathematical ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language and/or symbolic notation.

School District 196 Grade Three Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry and Measurement Content and Applications	<p>Student does not yet demonstrate an understanding of grade level geometry and measurement concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level geometry and measurement concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when solving problems, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level geometry and measurement concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • begins to recognize connections among geometry and measurement ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with written explanations. 	<p>Student demonstrates and extends grade level geometry and measurement concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among geometry and measurement ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language and/or symbolic notation.
Data Content and Applications	<p>Student does not yet demonstrate an understanding of grade level data concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level data concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when solving problems, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • begins to recognize connections among data ideas; • is developing mathematical reasoning and beginning to justify answers, and • represents and communicates mathematical thinking with written explanations. 	<p>Student demonstrates and extends grade level data concepts, skills, and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among data ideas independently; • demonstrates mathematical reasoning and convincingly justifies answers, and • represents and communicates mathematical thinking with written explanations that include mathematical language and/or symbolic notation.

School District 196 Grade Three Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Mathematics Habits	<p>Student...</p> <ul style="list-style-type: none"> • rarely participates and attends during classroom and small group discussions; • rarely completes tasks and/or frequently has assignments that are missing; • rarely takes advantage of extension learning opportunities (when appropriate), and • rarely demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student ...</p> <ul style="list-style-type: none"> • occasionally participates and attends during classroom and small group discussions; • occasionally has tasks that are missing or incomplete; • occasionally takes advantage of extension learning opportunities (when appropriate), and • occasionally demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • usually participates and attends during classroom and small group discussions; • usually completes tasks and shows evidence of mathematical thinking; • usually completes extension learning opportunities (when appropriate), and • usually demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • consistently participates and attends during classroom and small group discussions; • consistently completes tasks and shows evidence of mathematical thinking; • consistently completes extension learning opportunities (when appropriate), and • consistently demonstrates enthusiasm, perseverance and a positive attitude towards mathematics.

School District 196 Grade Four Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number, Operations and Algebra Content and Applications	<p>Student does not yet demonstrate an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when computing and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when computing and solving problems; • is beginning to use more than one strategy when computing and solving problems; • frequently makes computational errors, and • represents and communicates thinking inconsistently. 	<p>Student demonstrates an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses a variety of strategies when computing and solving problems; • usually computes and solves problems accurately; • recognizes connections among mathematical ideas; • is developing mathematical reasoning, and • justifies answers using written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level concepts, skills and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses and adapts number strategies based on the problem; • recognizes and applies connections among mathematical ideas independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.

School District 196 Grade Four Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry and Measurement Content and Applications	<p>Student does not yet demonstrate an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when computing and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when computing and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • usually computes and solves problems accurately; • recognizes connections among geometry and measurement ideas; • is developing mathematical reasoning, and • justifies answers with written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level geometry and measurement concepts, skills and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among geometry and measurement ideas independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.

School District 196 Grade Four Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Data Content and Applications	<p>Student does not yet demonstrate an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when creating or interpreting graphs and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when creating or interpreting graphs and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level data content, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • is usually accurate with graphing and problem solving; • begins to make generalizations about graphs with teacher assistance; • recognizes connections among data ideas; • is developing mathematical reasoning, and • justifies answers with written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level data concepts, skills and vocabulary. Student's graphing and problem solving are highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • makes generalizations about graphs independently; • recognizes and applies connections among data ideas independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.
Mathematics Habits	<p>Student...</p> <ul style="list-style-type: none"> • rarely participates and attends during classroom and small group discussions; • rarely completes tasks and/ or frequently has assignments that are missing; • rarely takes advantage of extension learning opportunities (when appropriate), and • rarely demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student ...</p> <ul style="list-style-type: none"> • occasionally participates and attends during classroom and small group discussions; • occasionally has tasks that are missing or incomplete; • occasionally takes advantage of extension learning opportunities (when appropriate), and • occasionally demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • usually participates and attends during classroom and small group discussions; • usually completes tasks and shows evidence of mathematical thinking; • usually completes extension learning opportunities (when appropriate), and • usually demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • consistently participates and attends during classroom and small group discussions; • consistently completes tasks and shows evidence of mathematical thinking; • consistently completes extension learning opportunities (when appropriate), and • consistently demonstrates enthusiasm, perseverance and a positive attitude towards mathematics.

School District 196 Grade Five Mathematics Report Card Marking Code Descriptions:

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Number, Operations and Algebra Content and Applications	<p>Student does not yet demonstrate an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when computing and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when computing and solving problems; • is beginning to use more than one strategy when computing and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • uses a variety of strategies when computing and solving problems; • usually computes and solves problems accurately; • recognizes connections among mathematical ideas; • is developing mathematical reasoning, and • justifies answers using written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level concepts, skills, and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • is able to use and adapt number strategies based on the problem; • recognizes and applies connections among mathematical ideas independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.

School District 196 Grade Five Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Geometry and Measurement Content and Applications	<p>Student does not yet demonstrate an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when computing and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when computing and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level geometry and measurement concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • usually computes and solves problems accurately; • recognizes connections among geometry and measurement ideas; • is developing mathematical reasoning, and • justifies answers using written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level geometry and measurement concepts, skills and vocabulary. Student's problem solving is highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among geometry and measurement ideas independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.
Data Content and Applications	<p>Student does not yet demonstrate an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • needs teacher assistance when creating or interpreting graphs and solving problems, and • does not yet represent or communicate mathematical thinking, or representation and communication of thinking is unrelated to the problem. 	<p>Student demonstrates progress toward an understanding of grade level data concepts, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • may need teacher assistance when creating or interpreting graphs and solving problems; • frequently makes computational errors, and • represents and communicates mathematical thinking inconsistently. 	<p>Student demonstrates an understanding of grade level data, skills and vocabulary.</p> <p>Student...</p> <ul style="list-style-type: none"> • is usually accurate with graphing and problem solving; • recognizes connections among data ideas; • makes generalizations about graphs; • is developing mathematical reasoning, and • justifies answers using written explanations that include some mathematical language and/or symbolic notation. 	<p>Student demonstrates and extends grade level data concepts, skills and vocabulary. Student's graphing and problem solving are highly efficient and accurate.</p> <p>Student...</p> <ul style="list-style-type: none"> • recognizes and applies connections among data ideas independently; • makes generalizations about graphs independently; • demonstrates mathematical reasoning, and • convincingly justifies answers with written explanations that include mathematical language and symbolic notation.

School District 196 Grade Five Mathematics Report Card Marking Code Descriptions (continued):

	1 – Limited	2 – Developing	3 – Proficient	4 – Exemplary
Mathematics Habits	<p>Student...</p> <ul style="list-style-type: none"> • rarely participates and attends during classroom and small group discussions; • rarely completes tasks and/or frequently has assignments that are missing; • rarely takes advantage of extension learning opportunities (when appropriate), and • rarely demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student ...</p> <ul style="list-style-type: none"> • occasionally participates and attends during classroom and small group discussions; • occasionally has tasks that are missing or incomplete; • occasionally takes advantage of extension learning opportunities (when appropriate), and • occasionally demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • usually participates and attends during classroom and small group discussions; • usually completes tasks and shows evidence of mathematical thinking; • usually completes extension learning opportunities (when appropriate), and • usually demonstrates enthusiasm, perseverance and a positive attitude towards mathematics. 	<p>Student...</p> <ul style="list-style-type: none"> • consistently participates and attends during classroom and small group discussions; • consistently completes tasks and shows evidence of mathematical thinking; • consistently completes extension learning opportunities (when appropriate), and • consistently demonstrates enthusiasm, perseverance and a positive attitude towards mathematics.