

5th Grade Report Card Rubric

Mathematics

Marking Period 2

| Units 3-6 | | | |
|--|---|---|---|
| 1 | 2 | 3 | 4 |
| Understands and applies concepts | | | |
| Unit 3 | | | |
| <ul style="list-style-type: none"> Student rarely meets the expectations. | <ul style="list-style-type: none"> Student sometimes meets the expectations. | <ul style="list-style-type: none"> Solves number stories involving whole number division that leads to fractional answers Interprets a fraction as a division of a numerator and denominator Uses estimates to reason sums and differences of fractions Adds and subtracts fractions with unlike denominators. | <ul style="list-style-type: none"> Extends mathematical concepts from unit skills independently. Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept. |
| Unit 4 | | | |
| <ul style="list-style-type: none"> Student rarely meets the expectations. | <ul style="list-style-type: none"> Student sometimes meets the expectations. | <ul style="list-style-type: none"> Understands the relationship between places in multi-digit numbers. Reads and writes decimals using numerals and number names Compares and orders decimals Adds and subtracts decimals Understands and uses Cartesian coordinate grid in two dimensions | <ul style="list-style-type: none"> Extends mathematical concepts from unit skills independently. Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept. |
| Unit 5 | | | |
| <ul style="list-style-type: none"> Student rarely meets the expectations. | <ul style="list-style-type: none"> Student sometimes meets the expectations. | <ul style="list-style-type: none"> Adds and subtracts fractions with unlike denominators Adds and subtracts mixed numbers with unlike denominators Multiplies fractions by whole numbers. Multiplies fractions by fractions Interprets $(1/b) \times q$ as 1 part of a partition of q into b equal parts." Interprets $(a/b) \times q$ as a parts of a partition of q into b equal parts. Solve real-world problems involving fraction multiplication. | <ul style="list-style-type: none"> Extends mathematical concepts from unit skills independently. Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept. |

| Unit 6 | | | |
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| <ul style="list-style-type: none"> • Student rarely meets the expectations. | <ul style="list-style-type: none"> • Student sometimes meets the expectations. | <ul style="list-style-type: none"> • Multiplies or divide decimals by powers of 10; explain the decimal-point placement in the answer. • Converts among measurement units within the same system. • Uses measurement conversions to solve multi-step, real-world problems. • Adds and subtracts mixed numbers with unlike denominators. • Organizes and represents data on line plots. • Solves problems involving fractional data on line plots. | <ul style="list-style-type: none"> • Extends mathematical concepts from unit skills independently. • Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept. |
| Communicates mathematical thinking | | | |
| <ul style="list-style-type: none"> • Student rarely meets the expectations. | <ul style="list-style-type: none"> • Student sometimes meets the expectations. | <ul style="list-style-type: none"> • Communicates mathematical thinking through concise and clear verbal or written expression. | <ul style="list-style-type: none"> • Communicates mathematical information in an accurate and unique manor, demonstrating comprehensive understanding of the material which may include connections to other places this skill can be used. |
| Applies problem solving skills | | | |
| <ul style="list-style-type: none"> • Student rarely meets the expectations. | <ul style="list-style-type: none"> • Student sometimes meets the expectations. | <ul style="list-style-type: none"> • Uses problem solving skills to solve and show solution to multistep word problems. | <ul style="list-style-type: none"> • Extends mathematical concepts from unit skills in an accurate and unique manor to solve problems. • Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept |
| Computes Accurately | | | |
| <ul style="list-style-type: none"> • Student rarely meets the expectations. | <ul style="list-style-type: none"> • Student sometimes meets the expectations. | <ul style="list-style-type: none"> • Demonstrates proficiency in all areas of computation including: addition, subtraction, multiplication and division of whole numbers and fractions and decimals. | <ul style="list-style-type: none"> • Computes accurately using advanced and creative groupings in multi-digit computation |