

Grade 4 Math - WPSD Critical Concepts for Progress Reports Level 3 – Proficiencies

* Asterisk represents topics scored on the Progress Report

***Overall Math** (this score reflects Critical Concepts in all math areas)

*** Number Sense** (this score reflects the Critical Concepts listed below)

- **Place Value**
 - PV1—Convert multi-digit whole numbers between forms
 - PV2 - Compare multi-digit whole numbers using $<$, $>$, $=$
- **Factor and Multiples**
 - FAM1—Find factor pairs and multiples of numbers under 100
- **Patterns**
 - P1—Analyze the features of numerical patterns

*** Number Operations** (this score reflects the Critical Concepts listed below)

- **Addition & Subtraction**
 - AS1—Add multi-digit whole numbers using the standard algorithm to solve real-world problems
 - AS2—Subtract multi-digit whole numbers using the standard algorithm to solve real-world problems
- **Multiplication**
 - M1—Multiply multi-digit whole numbers
 - M2—Solve real word problems involving multiplicative comparisons
- **Division**
 - D1—Find the quotients of division problems with multi-digit whole-number dividends and single-digit whole-number divisors
 - D2—Find the quotients of division problems with multi-digit whole-number dividends and single-digit whole-number divisors with remainders
 - D3—Solve real world division problems involving quotients with remainders

*** Fractions & Decimals** (this score reflects the Critical Concepts listed below)

- **Equivalent Fractions**
 - EF1—Generate equivalent fractions using models or diagrams
 - EF2—Generate equivalent fractions arithmetically
 - EF3—Compare fractions with different numerators and denominators
- **Fraction Multiplication**
 - FM1—Solve problems involving the multiplication of fractions with whole numbers
- **Fraction Addition & Subtraction**
 - FAS1—Solve word problems involving the addition and subtraction of fractions with like denominators
 - FAS2—Solve word problems involving the addition and subtraction of mixed numbers with like denominators and explain your thinking
- **Decimal Fractions**
 - DF1—Add fractions with unlike denominators that are powers of 10
 - DF2—Convert between decimal values and fractions with denominators that are powers of 10
 - DF3—Compare decimal values to hundredths

*** Measurement:** (this score reflects the Critical Concepts listed below)

- **Measurement Conversions**

- MC1—Express measurements in a given unit in terms of a smaller unit within the same measurement system
- MC2—Solve problems involving measurements of length, mass, liquid volume, time, and money expressed in different units

*** Geometry** (this score reflects the Critical Concepts listed below)

- **Area & Perimeter**

- AP1—Calculate perimeters, areas, and unknown side lengths of rectangles
- AP2—Solve word problems involving the perimeter and area formulas for rectangles

- **Lines**

- L1—Sketch points, lines, line segments, and rays
- L2—Sketch parallel and perpendicular lines

- **Angles**

- A1—Identify the measure of a given angle
- A2—Draw angles of a specified measure
- A3—Calculate the measures of unknown angles

- **Two-Dimensional Figures**

- TDF1—Classify two-dimensional figures according to the properties of their lines and angles
- TDF2—Identify line symmetry and rotational symmetry in two-dimensional figures

- **Patterns**

- P1—Analyze the features of geometric patterns