

This 5th grader is struggling with several different concepts. Because addition and subtraction are an issue and this will impact multiple units of study in 5th grade, we recommend starting there.

## Math RTI Guidance using CCGPS Standards

### 3<sup>rd</sup> Grade

- Solves two step word problems using 4 operations (Tasks 7, 8, 18, 20)
- Use place value to round to nearest 10 or 100 (Tasks 1- 3, 7)
- Place value up to 10,000 (Tasks 4-6)

#### Addition/Subtraction

- Fluently add/sub within 1000 (Tasks 7-11)

#### Multiplication/Division

- Understanding of basic multiplication (5 groups of 7 is  $5 \times 7$ ) (Tasks 12-14)
- Understanding of basic division (sharing of objects equally, 56 objects shared in 8 equal groups is 56 divided by 8) (Tasks 17, 20)
- Describe in context when mult/div expressions would be used
- Use mult/div within 100 to solve word problems in various ways. (Task 7)
- Fluently mult/div within 100. Know from memory. (Tasks 12, 13, 16, 17)
- Apply properties of operations to mult/div. (Tasks 16, 19)
- Understand division as unknown factor (32 divided by 8 is 8 times \_\_\_\_ ) (Task 16)
- Multiply one digit numbers by multiples of 10. (Task 15)

#### Fractions

- Understands parts of a whole – denominators 2, 3, 4, 6, 8
- Simple Equivalent Fractions (Task 23)
- Compare fractions by reasoning about size. (Task 22)
- Represent fractions on number line

#### Measurement/Geometry

- Tell time to nearest minute. Solve problems using add/sub of time
- Quadrilaterals

### 4<sup>th</sup> Grade

- Solve multi-step word problems with 4 operations (Tasks 7,8, 18, 20)
- Find factors for numbers up to 100
- Understand place value to 1,000,000 (digit is ten times the digit to the right) (Tasks 7-11)
- Compare 2 multi-digit numbers using symbols. (Task 6)
- Round to any place (Tasks 1-3, 7)

#### Addition/Subtraction

- Fluently add/sub multi-digit numbers using standard algorithm. (Tasks 10-11)

#### Multiplication/Division

- Mult/Div to solve word problems (A blue scarf costs \$3. A red scarf costs 6 times as much. How much does the red scarf cost?) (Tasks 7, 18, 20)
- Multiply 4 digits by 1 digit & Multiply two 2 digit numbers (Tasks 18-19)
- Divide 4 digit by 1 digit with remainders using various strategies. (Task 20)

#### Fractions

- Denominators – 2,3,4,5,6,8,10,12,100
- Explain equivalence of fractions (Task 23)
- Compare 2 fractions with different num/den
- Add/Sub mixed numbers with like denominators (Task 21)
- Solve word problems with add/sub of fractions (Task 21)
- Multiply fraction by a whole number using models
- Solve word problems involving multiplication of fraction by whole number.
- Express fraction with denominator of 10 with equiv. denominator of 100.

#### Decimals

- Use decimal notation (Tasks 24-25)
- Compare 2 decimals up to hundredths. (Task 26)

**Bolded** skills represent foundational ideas that must be addressed before moving on to more sophisticated mathematical concepts.