

## Math 2-5: Operations and Algebraic Thinking: Represent and Solve Problems

### Whole Numbers: Represent and Solve Word Problems

Students	Learning Continuum Statements:
<b>Students:</b>	<b>RIT 151-160:</b> <ul style="list-style-type: none"><li>• Represents one-step addition and subtraction word problems with objects, whole numbers within 20</li></ul>
<b>Students:</b>	<b>RIT 161-170:</b> <ul style="list-style-type: none"><li>• Represents addition word problems involving three addends with expressions or equations, whole numbers within 20</li><li>• Represents one-step addition and subtraction word problems with objects, whole numbers within 20</li><li>• Represents one-step put-together word problems with expressions or equations, answer unknown and whole numbers within 20</li><li>• Solves one-step put-together word problems with result unknown, whole numbers within 100</li><li>• Solves one-step put-together word problems with result unknown, whole numbers within 20</li><li>• Solves one-step take-apart word problems with result unknown, whole numbers within 20</li></ul>
<b>Students:</b>	<b>RIT 171-180:</b> <ul style="list-style-type: none"><li>• Estimates solutions to multi-step word problems involving the four operations with whole numbers</li><li>• Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100</li><li>• Represents one-step addition and subtraction word problems with objects, whole numbers within 20</li><li>• Represents one-step additive-comparison word problems with expressions or equations, whole numbers within 20</li><li>• Represents one-step equal-groups multiplication and division word problems with models, whole numbers</li><li>• Represents one-step put-together word problems with expressions or equations, answer unknown and whole numbers within 20</li><li>• Represents one-step take-apart word problems with expressions or equations, answer unknown and whole numbers within 20</li><li>• Solves multi-step addition and subtraction word problems, whole numbers within 100</li><li>• Solves one-step additive-comparison word problems, whole numbers within 100</li><li>• Solves one-step additive-comparison word problems, whole numbers within 20</li><li>• Solves one-step equal-groups division word problems, whole numbers within 100</li><li>• Solves one-step equal-groups multiplication word problems, whole numbers with products within 100</li><li>• Solves one-step put-together word problems with result unknown, whole numbers within 100</li><li>• Solves one-step put-together word problems with result unknown, whole numbers within 20</li><li>• Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20</li><li>• Solves one-step take-apart word problems with result unknown, whole numbers within 20</li><li>• Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100</li><li>• Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20</li><li>• Solves put-together word problems involving three addends, whole numbers within 20</li></ul>

**Students:****RIT 181-190:**

- Estimates solutions to multi-step word problems involving the four operations with whole numbers
- Represents multi-step addition and subtraction word problems with expressions or equations, whole numbers
- Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100
- Represents one-step additive-comparison word problems with expressions or equations, whole numbers within 20
- Represents one-step equal-groups multiplication and division word problems with models, whole numbers
- Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers
- Represents one-step multiplicative-comparison word problems with expressions or equations, whole numbers
- Represents one-step put-together word problems with expressions or equations, answer unknown and whole numbers within 20
- Represents one-step put-together word problems with expressions or equations, start, change, or part unknown and whole numbers within 20
- Represents one-step take-apart word problems with expressions or equations, answer unknown and whole numbers within 20
- Represents one-step take-apart word problems with expressions or equations, start, change, or part unknown and whole numbers within 20
- Solves multi-step addition and subtraction word problems, whole numbers greater than 100
- Solves multi-step addition and subtraction word problems, whole numbers within 100
- Solves one-step additive-comparison word problems, whole numbers within 100
- Solves one-step additive-comparison word problems, whole numbers within 20
- Solves one-step equal-groups division word problems, whole numbers within 100
- Solves one-step equal-groups multiplication word problems, whole numbers with products within 100
- Solves one-step multiplication word problems with multi-digit whole numbers
- Solves one-step put-together word problems with result unknown, whole numbers greater than 100
- Solves one-step put-together word problems with result unknown, whole numbers within 100
- Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 100
- Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20
- Solves one-step take-apart word problems with result unknown, whole numbers within 100
- Solves one-step take-apart word problems with result unknown, whole numbers within 20
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20
- Solves put-together word problems involving three addends, whole numbers within 20

**Students:****RIT 191-200:**

- Estimates solutions to multi-step word problems involving the four operations with whole numbers
- Estimates solutions to one-step word problems involving any of the four operations with whole numbers
- Represents multi-step addition and subtraction word problems with expressions or equations, whole numbers
- Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100

- Represents one-step additive-comparison word problems with expressions or equations, whole numbers within 20
- Represents one-step equal-groups multiplication and division word problems with models, whole numbers
- Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers
- Represents one-step multiplicative-comparison word problems with expressions or equations, whole numbers
- Represents one-step put-together word problems with expressions or equations, start, change, or part unknown and whole numbers within 20
- Represents one-step take-apart word problems with expressions or equations, answer unknown and whole numbers within 20
- Represents one-step take-apart word problems with expressions or equations, start, change, or part unknown and whole numbers within 20
- Solves multi-step addition and subtraction word problems, whole numbers greater than 100
- Solves multi-step addition and subtraction word problems, whole numbers within 100
- Solves one-step additive-comparison word problems, whole numbers within 100
- Solves one-step additive-comparison word problems, whole numbers within 20
- Solves one-step division word problems that require interpretation of remainders, whole numbers
- Solves one-step equal-groups division word problems, whole numbers within 100
- Solves one-step equal-groups multiplication word problems, whole numbers with products within 100
- Solves one-step multiplication word problems with multi-digit whole numbers
- Solves one-step multiplicative-comparison word problems, whole-number products greater than 100
- Solves one-step multiplicative-comparison word problems, whole-number products within 100
- Solves one-step put-together word problems with result unknown, whole numbers greater than 100
- Solves one-step put-together word problems with result unknown, whole numbers within 100
- Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers greater than 100
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20
- Solves put-together word problems involving three addends, whole numbers within 20

**Students:**

**RIT 201-210:**

- Estimates solutions to multi-step word problems involving the four operations with whole numbers
- Estimates solutions to one-step word problems involving any of the four operations with whole numbers
- Represents one-step equal-groups division word problems with expressions or equations, whole numbers
- Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers
- Represents one-step multiplicative-comparison word problems with expressions or equations, whole numbers
- Solves multi-step addition and subtraction word problems, whole numbers greater than 100
- Solves multi-step addition and subtraction word problems, whole numbers within 100
- Solves multi-step multiplication and division word problems with whole numbers

- Solves multi-step word problems involving the four operations with whole numbers
- Solves one-step additive-comparison word problems, whole numbers greater than 100
- Solves one-step additive-comparison word problems, whole numbers within 100
- Solves one-step division word problems that require interpretation of remainders, whole numbers
- Solves one-step division word problems, whole numbers with up to four-digit dividends and one-digit divisors, no remainders
- Solves one-step equal-groups division word problems, whole numbers within 100
- Solves one-step multiplication word problems with multi-digit whole numbers
- Solves one-step multiplicative-comparison word problems, whole-number products within 100
- Solves one-step put-together word problems with result unknown, whole numbers greater than 100
- Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100

**Students:**

**RIT 211-220:**

- Estimates solutions to multi-step word problems involving the four operations with whole numbers
- Estimates solutions to one-step word problems involving any of the four operations with whole numbers
- Represents one-step equal-groups division word problems with expressions or equations, whole numbers
- Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers
- Solves multi-step addition and subtraction word problems, whole numbers greater than 100
- Solves multi-step addition and subtraction word problems, whole numbers within 100
- Solves multi-step multiplication and division word problems with whole numbers
- Solves multi-step word problems involving the four operations with whole numbers
- Solves one-step division word problems that require interpretation of remainders, whole numbers
- Solves one-step division word problems, whole numbers with up to four-digit dividends and one-digit divisors, no remainders
- Solves one-step multiplicative-comparison word problems, whole-number products within 100

**Students:**

**RIT 221-230:**

- Estimates solutions to multi-step word problems involving the four operations with whole numbers
- Represents multi-step word problems involving the four operations with expressions or equations, whole numbers
- Solves multi-step multiplication and division word problems with whole numbers
- Solves multi-step word problems involving the four operations with whole numbers
- Solves one-step division word problems that require interpretation of remainders, whole numbers

**Students:**

**RIT 231-240:**

- Represents multi-step word problems involving the four operations with expressions or equations, whole numbers
- Solves multi-step multiplication and division word problems with whole numbers

**Students:**

**RIT 241-250:**

- Represents multi-step word problems involving the four operations with expressions or equations, whole numbers