

Reynolds School District No. 7

2000-2001 Mathematics Problem Solving Bank

The 2000-2001 revised RSD Problem Solving Bank provides teachers at each grade level with a packet of common mathematics tasks. These tasks are intended to:

1. Help students learn mathematical problem solving skills.
2. Prepare students to earn the Oregon CIM.
3. Provide collection of evidence work sample entries.

The tasks also serve as a support to teachers as they provide all students with consistent problems and reliable scoring as an integral aspect of learning mathematics.

At each grade level the revised Problem Solving Bank includes student problems and an appendix: 2000-2001 scoring guides, problem solving hints and habits and black line masters. The tasks in the Bank address each of the Oregon Content Standards Strands:

Grades K-5	Grades 6-10
<ul style="list-style-type: none">• Computation and Estimation• Measurement• Geometry• Algebraic Relationships• Probability and Statistics	<ul style="list-style-type: none">• Probability and Statistics• Geometry• Algebraic Relationships• Measurement (middle school)

Reynolds is requiring that students have two (2) distinct mathematics work samples in their 2000-2001 Collection of Evidence. These work samples must represent a student's effort in a variety of strands.

The Oregon Mathematics Problem Solving Assessment at grades 5, 8 and 10 allows students to choose one of three tasks to solve. The tasks in the Bank include only one problem per page. Teachers will need to prepare students to be able to analyze several tasks and to make a choice as to which task will best ensure success on the formal State assessment.

Teachers are encouraged to use as many of these tasks as possible, but are equally encouraged to gather, adapt and use appropriate problems from other resources. A work sample may be collected under assessment conditions or as a regular classroom assignment, and may be revised by the student.

Please keep your school's math representative informed of students' success or lack thereof with these tasks so that appropriate additions, deletions or modifications can be made to the RSD Problem Solving Bank.

Second Grade Problem Solving Tasks

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Algebraic Relations

2A01	Weeds	Pattern
2A02	Baby Bird	Pattern
2A03	Elliott’s Butterfiles	Pattern
2A04	Clown’s Scarves	Pattern
2A05	Make a Pattern	Pattern

Calculations and Estimations

2C01	How to Make 37 Cents.....	Calculations
2C02	What’s My Number	Calculations
2C03	Munchies, Munchies, Munchies	Calculations
2C04	Fish Story	Calculations
2C05	Bus Stops.....	Calculations

Geometry

2G01	Sorting Shapes.....	Shapes
2G02	Symmetrical Shapes	Symmetry
2G03	Line of Symmetry.....	Symmetry
2G04	Shape House.....	Shapes
2G05	Quadrilateral Sort.....	Quadrilaterals

Measurement

2M01	The Bob and Sam Shoe Show.....	Length
2M02	Rose Garden	Perimeter
2M03	Paper Clip Rectangles.....	Length & Width
2M04	Practice the Piano	Time
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Probability and Statistics

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