



Numeracy Strategy

RAMMP Strategy

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DESCRIPTION: RAMMP is an acronym for Role-Audience-Medium-Math Problem. Students are told the role they will assume, the audience to whom they are writing, the medium of communication they are to use, and the math problem they are to discuss. A RAMMP helps students see the relevance of math operations in communicating with individuals in real-life situations.

EXAMPLE ACTIVITIES: This strategy can be used with any math problem encountered in an agriculture setting, but is ideally suited for teaching students to communicate with customers about billing, cost of goods or in creating a business plan.

THESE ACTIVITIES ARE ALIGNED TO THE FOLLOWING STANDARDS:

Common Core- Math

- CCSS.MP1: Make sense of problems and persevere in solving them.
- CCSS.MP2: Reason abstractly and quantitatively.
- CCSS.MP3: Construct viable arguments and critique the reasoning of others.
- CCSS.MP4: Model with mathematics.
- CCSS.MP5: Use appropriate tools strategically.
- CCSS.MP6: Attend to precision.

Common Core- Writing

- CCSS.ELA-LITERACY.W.9-10.2 Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
- CCSS.ELA-LITERACY.W.9-10.4 Produce clear and coherent writing the development, organization, and style are appropriate to task, purpose, and audience.
- CCSS.ELA-LITERACY.W.9-10.5 Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.

EXAMPLE:

R	Role	<i>You will assume the role of Mr. Smith's veterinarian.</i>
A	Audience	<i>You are to correspond with Mr. Smith regarding his account.</i>
M	Medium	<i>You will prepare an account statement.</i>
MP	Math Problem	<i>This statement should include an itemized list of services done with a total of \$550. The letter also needs to explain that if the bill is not paid within 30 days 5% interest will be applied, and after 60 days 10% interest will be applied. The statement should include how much is owed if interest is applied, and the dates this interest will take effect.</i>

ANSWER FOR EXAMPLE PROBLEM:

The statement can be formatted as the student chooses or guidelines can be provided regarding format, but it must include the elements contained in the "math problem." Students can use any billable items they choose as long as they add up to \$550 and make sense given their role. The statement should also include that after 30 days the bill will be \$577.50 and after 60 days the bill will be \$605.

RAMMP Worksheet

DIRECTIONS:

R	Role	
A	Audience	
M	Medium	
MP	Math Problem	

Aligned to the following standards:
CCSS.MP1; CCSS.MP2; CCSS.MP3; CCSS.MP4; CCSS.MP5; CCSS.MP6; CCSS.W.9-10.2;
CCSS.W.9-10.4; CCSS.W.9-10.5

RAMMP Worksheet

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CCSS.W.9-10.4; CCSS.W.9-10.5