Performance-Based Task

Name of Task:		Grade Level: 2
Whole-y Cow BEGIN WITH THE END IN MIND: What will we lea	rn about the students	' mathematical
understanding from this task?	in about the students	matrematical
Students will apply problem solving strategies to solve fraction	n word problems.	
**Students should attend to precision when naming fractional color is 1/3 only if the swimsuit is equally partitioned.	Il pieces of the swimsuit.	The fractional amount for each
Common Core Content Standards assessed through this task: (choose 3-5 standards at your grade level that can be clearly assessed through this task. Standards need not be from the same domain but should relate to the task). 2.G.3	assessed through	hematical Practice this task: (choose 2-3 Standards that can be clearly assessed through
	1 through 8	

Performance-Based Task

Use the space below to outline your task. Keep the following in mind...

Daisy the cow is going to the MOO-vie-Star Boutique to design her new swimsuit. Her favorite colors are red, white, and blue. How many different ways could she design her new swimsuit?

What fraction of the swimsuit is red? What fraction of the swimsuit is white? What fraction of the swimsuit is blue?

Daisy found a swatch of yellow fabric in addition to her red, white, and blue. How would this change the design of her swimsuit?

Does this task...

- reflect a real-world task/scenario-based problem?
- require application of mathematical concepts and assess related Common Core content Standards?
- Require students to engage in 2-3 Standards for Mathematical Practice?
- Allow for multiple approaches?
- Require a high level of cognitive demand?

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Assessment: How will you evaluate student work? Create a task-specific rubric. Apply the Exemplars levels– Novice, Apprentice, Practitioner, Expert – when creating your rubric.

Novice	No strategy is chosen or a strategy is chosen that will not lead to a solution. Little or no evidence of engagement in the task. Neither correct reasoning nor justification for reasoning is present. Little or no communication of an approach is evident with mathematical language. No connections are made. No attempt is made to construct mathematical representations.
Apprentice	A partially correct strategy is chosen. Evidence of previous knowledge. Arguments are made with some mathematical basis. Some formal math language is used, and examples are provided to communicate ideas. Some effort is made to relate to own interests and experiences. An attempt is made to construct mathematical representations to record and communicate problem solving.
Practitioner	A correct strategy is chosen. Evidence of applying prior knowledge is present. Arguments are constructed with adequate mathematical knowledge. Systematic approach or correct reasoning is present. Precise math language is used with audience in mind. Mathematical connections are recognized. Appropriate mathematical are presentations are used.
Expert	An efficient strategy is used. A correct answer is given. Evidence is used to justify and support decisions. Precise math language is used to communicate to an appropriate audience. Mathematical connections or observations are used to extend the solution. Abstract or symbolic mathematical representations are constructed to analyze relationships, extend thinking and clarify or interpret phenomenon.

NCTM Process Standards and the CCSS Mathematical Practices

NCTM Process Standards	CCSS Standards for Mathematical Practice
Problem Solving	Make sense of problems and persevere in solving them. Use appropriate tools strategically.
Reasoning and Proof	Reason abstractly and quantitatively. Critique the reasoning of others. Look for and express regularity in repeated reasoning
Communication	3. Construct viable arguments
Connections	Attend to precision. Look for and make use of structure
Representations	4. Model with mathematics.