Task Specific Rubric: Owl's Eyes

Level	Understanding	Strategies, Reasoning, & Procedures	Communication
Novice	✓ There are no solutions or the solutions have no relationship to the task. ✓ The student does not understand that each owl has one pair (two) of eyes, and that six owls have 12 eyes.	✓ The student can count the owl's eyes as 12, but cannot correspond this with each owl as having two eyes, and a final answer of 6 owls.	✓ There is little or no communication, the student did not label the work and their thinking is difficult to follow. ✓ The student has drawn owls and their eyes, but has misrepresented the total number. ✓ The student makes no attempt to summarize their results.
Apprentice	✓ The student understands enough of the task to address one/two aspects of the problem, but cannot complete the task to a full solution. For example: S/he understands that each owl has two eyes (one pair) and that there are a total of 12 eyes, but does not understand that there are only 6 owls.	✓ The student begins a strategy but does not or cannot complete the task. ✓ The student begins a strategy for solving the task. For example: Draws the owls and the appropriate number of eyes and counts 12, but cannot conclude that there are 6 owls.	✓ The student has attempted to communicate their findings by labeling their work, but does not attempt to summarize their work by stating their final answer. ✓ The student has accurately drawn the owls and their eyes, but does not use the information to draw conclusions or summarize their results.
Practitioner	✓ The student understands that one owl has two eyes (a pair) and that a total of 12 owl eyes represents six owls.	✓ The student accurately solves the problem, stating that each owl has one pair (2) of eyes and there are 6 owls. ✓ The student uses a tally system to record their answers, can hold all pieces of the problem, and shows a conservation of 2's. (i.e. each owl has two eyes, therefore there are 6 owls.)	✓ The student shows an accurate representation of owls and eyes. ✓ The student has communicated their findings by labeling and summarizing their results.
Expert	✓ The student understands all of the parameters of the problem and can make generalizations about these understandings. For Example: The student can convert from a counting strategy to a repeated addition of 2's, and/or describe signs of multiplicative structures.	✓ The student accurately solves the problem, stating that each owl has one pair (2) of eyes and there are 6 owls. ✓ The student may have started using a tally system to record his/her answer, then converts to a numerical representation (shows a conservation of 2's with signs of multiplicative structures). For example: 2 eyes = 1 owl therefore, 12 eyes = 6 owls	✓ The student shows an accurate representation of owls and eyes. ✓ The student has provided a complete summary of their results and has presented any generalizations they may have found. For example: Each owl has two eyes, therefore I can count by two's until I get to twelve.