

# Open – Ended Assessment Items: Scoring Rubric

Dear Parents,

Have your child to use another sheet to answer the question(s). Your child should return the signed worksheet to the teacher to receive credit. Your child's understanding of mathematics will be scored on how well your child:

- Explain and organize the work.
- Use tables, charts, graphs or diagrams in the explanation, if possible.
- Show the solutions in more than one way, if possible.

## Scoring Rubric

0 – Response indicates no appropriate mathematical reasoning.

1. Response indicates some appropriate mathematical reasoning, but fails to address the item's main mathematical ideas.
2. Response indicates substantial and appropriate mathematical reasoning, but is lacking in some minor way(s)
3. Response is correct and the underlying reasoning process is appropriate and clearly communicated.

## Question #15

### Patterns, Functions, Algebra/ Problem Solving and Reasoning

1. One of the world's largest dinosaurs was the brontosaurus, which weighed about 45 tons. The world's smallest dinosaur was the compsognathus, which weighed about 15 pounds. Write the equation that best describes the difference in weight of the two dinosaurs. Solve the equation to find the difference in weight of the two dinosaurs. (1 ton = 2,000 pounds)
2. On a scale there are three cans, small, medium, and large. The scale shows 2 Kilograms. The small can weighs 340 grams (g). The medium weighs 520 grams. How much does the largest can on the scale weigh? Write the equation that could be use to solve this problem. Solve the equation by showing your work. Explain your reasoning.