

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 #13

Number/Number Relations, Operation Concepts, and Data Analysis, Statistics & Probability

The students at Faith School raised money to help pay for school projects. The lists show how the money was raised and how it was spent. Study the lists. Then do problems.

How money was raised?

Car Wash - \$750

Flea Market - \$2500

Used Book Sale - \$750

How money was spent?

Field Trips - \$1500

Computer Lab - \$900

Band Equipment - \$1600

1. Which of these (37.5%, 2/5, 0.15, five-eighths) represents the part of the total money raised that was spent for field trips? Explain your reasoning by showing your work.
2. The students found 500 items to sell at the Flea Market. Everything was sold. Explain how you would find the average price of each object. What is the average?
3. The students are designing a graph to show what portion of the total money raised will be spent on the band equipment this year. Which of these (bar graph, pie graph, line graph, or pictograph) is the best type of graph for them to use? Explain your reasoning.