Name _____ Date _____

Marla saw a math picture puzzle posted on her social media feed. She noticed that many people solved the puzzle and got different answers. After she solved the puzzle, she decided to create one of her own and do a survey with her friends to see how many of her friends could get the correct answer. Her puzzle is shown below.

$$2\, 🐈 + 7 + 🐈 = 61$$
$$🐈 \times 2\, 🐈 + 8 = 80$$
$$2\, 🐈 - 🐈 = 10$$
$$🐈 + 🐈 \div 🐈 = ?$$

- What is the value of each animal in Marla's puzzle?
- What answer does Marla expect from her friends?
- What mistakes were made if some of the answers Marla got for the last line of the puzzle were 12 and 22.5?

Justify your reasoning.

Procedural	0	1	2
Conceptual	0	1	2
Communication	0	1	2

Total points:_____

Performing Math
open-middle performance tasks