Name _____   Date _____

The Inside Scoop: Rational Number Word Problems

Macy is trying out some new ice cream flavors at her ice cream shop, The Inside Scoop. She gives her customers a survey to determine the best new flavor. Customers can rate each flavor on a scale of -3 to 3, where -3 is "I would not order this flavor," and 3 is "I love this flavor."

This table shows the average rating for each new flavor.

Flavor	Average Rating
Lemon Basil	-1.25
Carrot Cake	$2\frac{1}{3}$
Cilantro Lime	$-1\frac{2}{3}$
Peanut Butter Swirl	2.4
Honey Ginger	-1.2

Use the table to answer each question.

1. Which flavor received the highest average rating?   Peanut Butter Swirl

2. Which flavor received the lowest average rating?   Cilantro Lime

3. Write the flavors in order from the lowest average rating to the highest average rating.

   Cilantro Lime, Lemon Basil, Honey Ginger, Carrot Cake, and Peanut Butter Swirl

4. Macy did a similar survey last year. Last year's winning flavor, Toasted Marshmallow, received an average rating of $2\frac{5}{9}$. Is that a higher average rating than the winning flavor from this year? Explain.

   Student answers will vary.

   Yes. Since $2\frac{5}{9}$ is about the same as 2.55, the average rating for Toasted Marshmallow is greater than the average rating for Peanut Butter Swirl.

5. In last year's survey, Sweet Avocado received an average score of -1.5. Which of this year's flavors would Sweet Avocado fall between?

   Cilantro Lime and Lemon Basil