Problem Solving: Writing to Explain

Explain your solution. Show your work.

1. A fundraiser is being held to raise money for a new school playground. Of every $20 raised, $16 will be spent on playground equipment. If the goal of the fundraiser is $320.00 for playground equipment, how much total money will it need to raise?

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2. Stephan is planning a hiking trip at Kings Canyon National Park. He plans to hike 14 miles every 2 days. If he hikes 42 miles, how many days will he hike?

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3. A rental store at the beach has 56 umbrellas and 24 surfboards. Which ratio describes the relationship of surfboards to umbrellas?

   A 56:24   **B** 7:3   **C** 3:8   **D** 3:7

4. **Writing to Explain** Kara can run 3 miles in 25.5 minutes. At this rate, how long would it take her to run 2 miles? *Diana's answer: If I subtract 1 mile from 3 miles, I get 2 miles, so if I subtract 1 minute from 25.5 minutes, I get 24.5 minutes. Kara takes 24.5 minutes to run 2 miles.* Is Diana's answer correct? Explain.

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