

**2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment**

5.5b

1. Karen is driving from Lynchburg, Virginia to Oakland, California. She decides to split the trip into four days.

- a. **Day 1: She drove 701.7 miles**
- b. **Day 2: She drove 452.5 miles**
- c. **Day 3: She drove 634.9 miles**
- d. **Day 4: She drove ? miles**

- How many miles did Karen drive on days 1, 2, & 3
- If the total journey was 2781.8 miles, how many miles did she drive on day 4?
- If Karen wanted to drive the same amount each of the four days of the trip, what would be the distance traveled in one day?

2. Mary was making a volcano for a science experiment. She had two open bottles of vinegar. If there was a total of 4.32 liters in the two bottles. How much liquid did each bottle contain? (You must choose two of the answers)

2.53 liters	1.97 liters
1.79 liters	2.26 liters

3. Ms. Simpkins' 4th grade class is going on a field trip.

- **There are 22 students and 6 adults going on the trip.**
- **A student ticket costs \$3.50 and an adult ticket costs \$6.50.**

What is the total cost for the field trip?

- A. \$112.50
- B. \$116
- C. \$154.75
- D. \$164

4. Kiana, Matt, and Jorge went shopping together. Their groceries came to a total of \$26.52. If the three friends shared the cost equally, how much did each of them pay?

- A. \$3.72
- B. \$5.66
- C. \$7.60
- D. \$8.84