**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.**
2. **Day 1: She drove 701.7 miles**
3. **Day 2: She drove 452.5 miles**
4. **Day 3: She drove 634.9 miles**
5. **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?
6. **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 |

1. **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?**

* 1. $112.50
  2. $116
  3. $154.75
  4. $164

1. **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?**
2. $3.72
3. $5.66
4. $7.60
5. $8.84

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