

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

**5.4**

**1. Riley’s class made boxes of cookies to sell in a bake sale.**

- **The class had 500 cookies to sell.**
- **20 cookies were broken.**
- **12 whole cookies were put in each box to sell.**

**How many boxes of whole cookies were made by Riley’s class for the bake sale?**

**2. Mr. Gutierrez wrote the following expression on the board. He asked the students to write a multi-step story problem that could be solved using the expression given. Choose the three story problems that can be correctly solved using the expression below.**

$$(45 + 19) \div 8$$

<p>Manuel saves part of his allowance each week. In March he saved \$45. In April he has saved \$19. If he saves \$8 in May, how much money will he have saved?</p>	<p>Kim is making gift bags for her 8 friends. She places 19 pieces of lemon candy into a large bowl. She also pours a bag of 45 peppermint candies into the same bowl. If she gives each friend the same amount of candy, how many pieces will she put in each gift bag?</p>
<p>Rebekah collects samples of rocks and fossils from Virginia. She stores them in boxes that hold eight samples each. She has 45 rock samples and 19 fossil samples. How many boxes does she need to hold all of her samples?</p>	<p>Bo received \$19 from his grandmother for his birthday. Before his birthday, he had \$45 in his wallet. Jackson decided to spend \$8 a week on his favorite candy. How many weeks will Jackson be able to purchase candy?</p>

<p>Manuel saves part of his allowance each week. In March he saved \$45. In April he has saved \$19. If he saves \$8 in May, how much money will he have saved?</p>	<p>Kim is making gift bags for her 8 friends. She places 19 pieces of lemon candy into a large bowl. She also pours a bag of 45 peppermint candies into the same bowl. If she gives each friend the same amount of candy, how many pieces will she put in each gift bag?</p>
<p>Mrs. Li likes to run every day. She runs 45 minutes in the morning and 19 minutes after school. How many minutes total does she run in 8 days?</p>	<p>Staci earned \$45 babysitting. She also earned \$19 walking her neighbor's dog. She spent \$8 for a ticket to the movies. How much money did she have left after purchasing the ticket?</p>

- 3. Mrs. Black bought 640 candies. She decided to share them equally with her four children. How many candies will each child receive?**
- A. 106 candies
  - B. 160 candies
  - C. 213 candies
  - D. 320 candies
- 4. The State Fair sold \$500 worth of tickets for their show last weekend. They sold 73 adult tickets for \$5, each. The remaining money was made selling child tickets for \$3 each. How many child tickets did they sell?**
- A. 15
  - B. 45
  - C. 365
  - D. 427