

Math Awareness Week Competition 2008 Examination for 3rd-4th Grades

DIRECTIONS: [40 Minutes - 5 Questions] Start each new problem on a separate page. **Show your work!** Answers must be exact. You are allowed to use a calculator. You are not allowed to borrow or interchange calculators during the test.

1. If you continue the pattern

2 0 0 9 2 0 0 9 2 0 0 9

what would be the 2009th number?

2. Jane won lots of candies at the school carnival. She gave half of them to her friends at the end of the carnival and when she went home she gave $\frac{1}{3}$ of the remaining ones to her brother. She kept the remaining 12 pieces of candy for herself. How many pieces of candy did she win?
3. The sum of three consecutive numbers is 120. What is the smallest number?
4. Jason was buying treats for 28 kids for his birthday party. He was told that 10 cookies and 18 scones will cost \$36, but 15 cookies and 13 scones will cost \$40. How much is one cookie?
5. Janet is going on a 15 miles bike trip. In addition to the two tires of her bike, she brings a spare tire. If she wants each tire to go the same distance and is planning to change them, how many miles will each of the three tires go during the trip?