



July, 2016 – Grades 3 & 4

*Individual Questions (Part 2)*

Total pages: 1, Total points: 40

Time limit: 30 minutes

Name (Print): \_\_\_\_\_

Question #1 (8 points)

John loves collecting stamps! If he divides the number of stamps he has by 32, then he will have 30 remaining stamps; if he divides the number of stamps he has by 9, he will have 7 remaining stamps; if he divides the number of stamps he has by 7, he will have 5 remaining stamps. How many stamps, at least, does John have?

Question #2 (8 points)

On a 40-question test, a student gains 4 points by answering a question correctly and loses 1 point by answering a question incorrectly or leaving the question blank. If Al scored 95 points on the test, how many questions did he answer correctly?

Question #3 (8 points)

Each of the 40 students in Mr. Talent's class possesses at least one of the three skills: singing, dancing, and acting. If 28 students know how to sing, 26 students know how to dance, and 31 students know how to act, at least how many students possess all three skills?

Question #4 (8 points)

Lisa baked some cookies and cakes. Baking one cookie requires 4 cups of sugar and 3 cups of flour, and baking one cake requires 7 cups of sugar and 5 cups of flour. At the end she used 83 cups of sugar and 61 cups of flour. How many cookies did she bake?

Question #5 (8 points)

Working by oneself, Al can build a bridge in 3 years; Barb can build a bridge in 4 years, and Cy can build a bridge in 5 years. Working together, how long, in years, does it take them to build the bridge?