

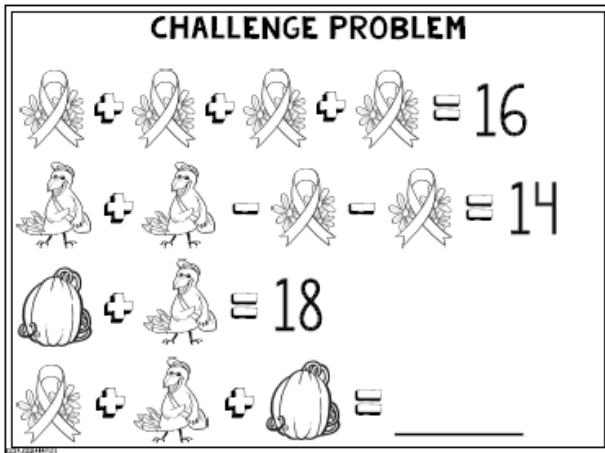
NAME: \_\_\_\_\_ Period: \_\_\_\_\_ Date Submitted: \_\_\_\_\_

## Apr 20-24 CHALLENGE PROBLEMS

Submit your work/rationale as well as your answers to Mr. Coleman by 1 pm on Friday of each week. Correct answers with well-explained solution strategy/process or clearly and completely shown work) will be entered into a drawing for a small prize (and BRAGGING RIGHTS).

### 1) Puzzle Wk11

Examine the relationships shown in the graphics below and use any problem-solving strategy you choose to determine what number each picture in the graphic represents. Hint: You may not always want to start at the first line. NOTE: within one puzzle, a picture will always represent the same number. **[Courtesy of and Created by Jessica Barnett)**



### 2) Considering Percentages: Thinking A Bit More Deeply

What is the fewest number of people surveyed if exactly 93.6% of people completed a survey? \_\_\_\_\_

Explain your thinking / show your work below