**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Day 02 - Analyzing Numerical Data: Estimating Large Numbers**

I.A Student Activity Sheet 1: Estimating Crowds

Watch this short clip. <http://www.101qs.com/518-file-cabinet--act-1>

**4.** How many Post-It notes will it take to cover the file cabinet?

|  |  |
| --- | --- |
| **What problems are you trying to figure out?** | **What estimates do you have?** |
|  |  |
| **What info do you already know about the problem?** | **What info do you need about the problem?** |
|  |  |
| **Work Space** | |
|  | |
| **What is your conclusion? How did you reach that conclusion?** | |
|  | |

**5.** How would you figure out how many files can fit in the file cabinet?

**6.** A 2 cm cube holds 468 grains of rice. How many grains of rice would fit in a box with dimensions 6 cm x 2 cm x 12 cm?

**7. REFLECTION:** What other methods could be used to estimate the size of a large crowd? Describe how and why the crowd size estimate supplied by event organizers might differ from estimates made by other groups.

**Turn in to your teacher ☺**