

CONGRESS

is SRSly awesome!
Period:

1. The owner of a food store is concerned about employee morale. She decides to survey the employees to see if she can learn about work environment and job satisfaction. Obtain a simple random sample (SRS) of size five from the names in the given table. Write a short description of the process you used to generate your sample. Be sure to include your results.

Archer	01	Foushi	09	Lathus	17	Salazar	25
Bolcerrek	02	Gow	10	Lindsey	18	Ullrich	26
Bryant	03	Grove	11	Massie	19	Vaneck	27
Carlisle	04	Hall	12	McGuffin	20	Weber	28
Cole	05	Hills	13	Musa	21	Zavodny	29
Dimas	06	Houston	14	Nickas	22		
Ellison	07	Kats	15	Oliver	23		
Everhart	08	Kemp	16	Orsini	24		

Assign digits 1-29. Use technology. No repeats.

18: Lindsey
25: Salazar
09: Foushi

07: Ellison
21: Musa

2. The Future Government Club wants to sponsor a debate about the upcoming national election. The club wants to create four groups of eight students for the tournament. Use SRS to put the 32 students into four groups. Write a description of the process you used. List the four groups.

Blouin	4	Fallenbuchel	3	Niemeyer	4	Rice	4
Bolden	3	Grajewski	3	Nolan	4	Salihar	1
Bolt	3	Haydra	3	Ochs	4	Tate	2
Carter	2	Keating	3	Opacian	4	Thompson	2
Cooper	3	Khourri	4	Pawlak	1	Trudeau	1
Debold	2	Lukens	3	Pechtold	1	Washington	1
De Young	4	May	2	Ramirez	2	Wright	1
Engler	1	Motola	2	Redmond	2	Zenkel	1

Assign digits 1-4, one digit for each group. Repeats OK.
Eight of each type of digit. Use technology.

①

Engler
Pawlak
Pechtold
Salihar
Trudeau
Washington
Wright
Zenkel

②

Carter
Debold
May
Motola
Ramirez
Redmond
Tate
Thompson

③

Bolden
Bolt
Cooper
Fallenbuchel
Grajewski
Haydra
Keating
Lukens

④

Blouin
De Young
Khourri
Niemeyer
Nolan
Ochs
Opacian
Rice

1/ IIII IIII
2/ IIII IIII
3/ IIII IIII
4/ IIII IIII

3. A teacher wants to determine the effects of consuming different types of pizza before taking an AP Statistics test. Twelve randomly selected students will take part in the experiment. The three different types of pizza are Cheese, Pepperoni, and Vegetarian. Describe how to randomly assign the 12 students to groups using the Random Number Table below. Make sure to include your results.

1st method → 05125 03371 20451 10957 42048 04578 01366 13110 89034 35063 91102 69208
 2nd method → 89072 99306 67021 34353 57310 37478 52013 77636 09387 67995 62565 84264

Each student assigned a unique 2-digit number from 01-12. Use table. No repeats. Select four students for each group.

cheese : 05, 12, 11, 09

Pepperoni : 04, 01, 10, 03

Veggie : 08, 07, 06, 02

Assign each student a type of pizza

1: cheese
 2: pepperoni
 3: veggie.

Ignore 0, 4-9. Repeats OK

Student # :

1	2: pepperoni
2	3: veggie
3	2: pep.
4	1: cheese
5	3: veg.
6	3: veg.
7	3: veg.
8	3: veg
9	1: cheese
10	3: veg.
11	2: pep.
12	1: cheese

Three cheese
 Three pepperoni
 Six veggie