

Sampling

CREDIT: The questions on this document were written by Erik Packard, PhD, Associate Professor of Mathematics at Colorado Mesa University.

- Problem 3
 - Get a SRS of size 4 of all NBA teams: Start with Row 1.

1	Boston Celtics
2	New Jersey Nets
3	New York Knicks
4	Philadelphia 76ers
5	Toronto Raptors
6	Chicago Bulls
7	Cleveland Cavaliers
8	Detroit Pistons
9	Indiana Pacers
10	Milwaukee Bucks
11	Atlanta Hawks
12	Charlotte Bobcats
13	Miami Heat
14	Orlando Magic
15	Washington Wizards

16	Dallas Mavericks
17	Houston Rockets
18	Memphis Grizzlies
19	New Orleans Hornets
20	San Antonio Spurs
21	Denver Nuggets
22	Minnesota Timberwolves
23	Portland Trail Blazers
24	Seattle SuperSonics
25	Utah Jazz
26	Golden State Warriors
27	Los Angeles Clippers
28	Los Angeles Lakers
29	Phoenix Suns
30	Sacramento Kings

- Problem 7
 - On October 2, 2007, on www.denverpost.com a poll question was asking if the Colorado Rockies Matt Holliday should be the MVP (Most Valuable Player). Do you think the percentage of all baseball fans that would choose Holliday would be higher, lower, or about the same as on www.denverpost.com?

- Problem 11
 - A certain city has four hospitals. One hospital (A) is a large regional medical center with a great reputation. The other three hospitals (B, C, and D) are small local hospitals. In a study, the percentage of patients dying in surgery is recorded. The percentage for hospital A is nearly three times as high as each of the other 3 hospitals. One possible reason is that hospital A does not deserve its reputation. Give another possible reason.