

- ① Name 3 red, 5 yellow
- ② Major
- ③ Hometown
- ④ Last math taken—what, when, where.
- ⑤ Tell me something about you.

Mr. }
Dr. } Waterman
Prof. }

Gregg

Experiment: Select 1 tile
from container w/ 5 yellow,
3 red

Outcome: Possible result of
experiment - R or Y

$f(x)$

$$P(y) = \frac{5}{8} \rightsquigarrow \text{theoretical probability}$$

Yellow # Draws

$$\text{Experimental: } \frac{15+14+11+12+11+15+15+7}{160} = \frac{160}{160} = \frac{5}{8}$$

Set of all possible outcomes is
the sample space. $S = \{R, Y\}$

$$\#2 \quad S = \{YY, RR, YR, RY\}$$

Events: Sets of outcomes

Event of a yellow and a red, in either order: $E_1 = \{YR, RY\}$

E_2 is getting at least one red. $E_2 = \{RR, YR, RY\}$