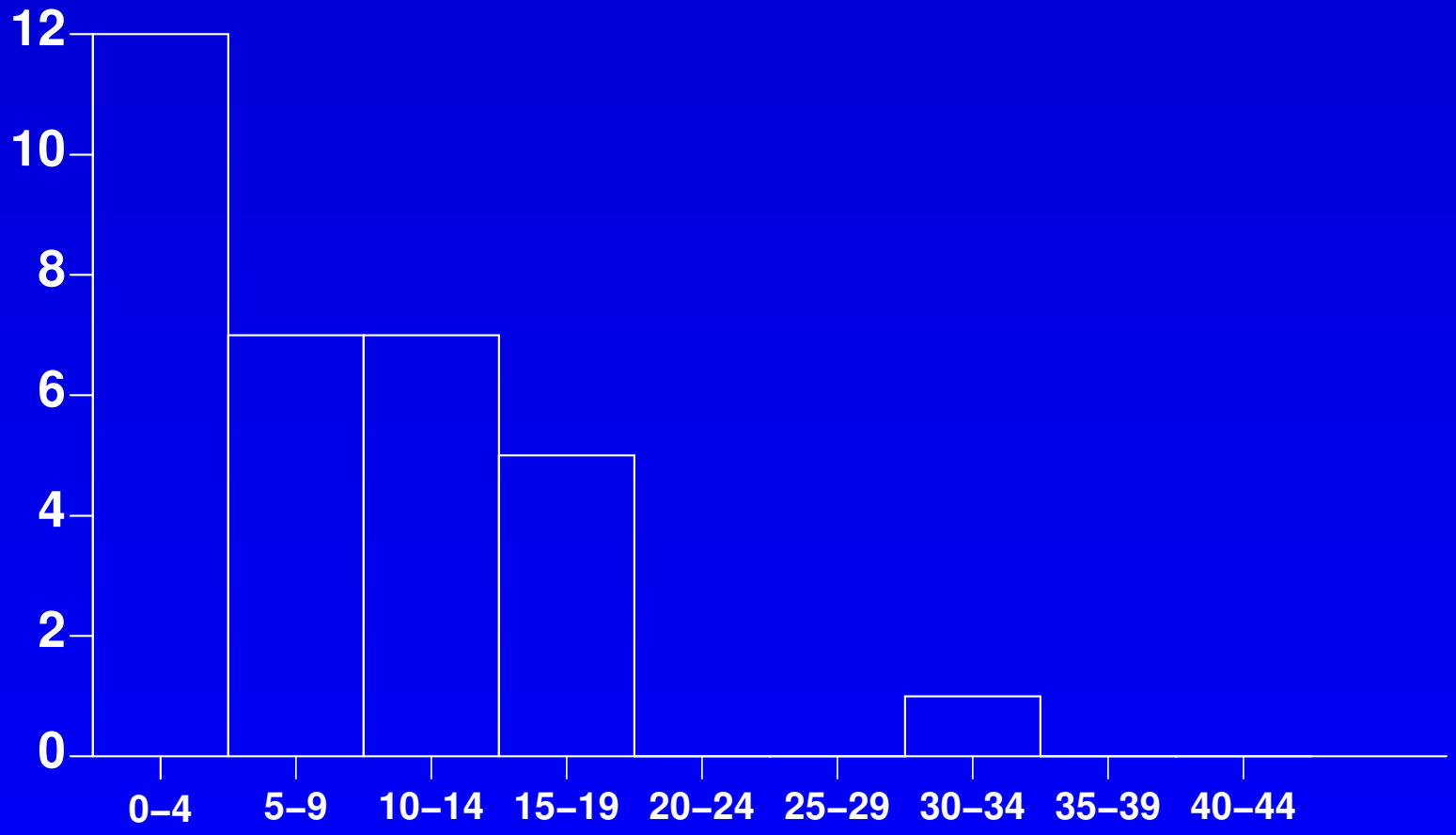
Guess Two-Thirds of the Average

- Choose a number between 0 and 100.
- A prize of $10 will be split equally between all students whose number is closest to $\frac{2}{3}$ of the average of the numbers chosen (the mean number). (That's $\frac{2}{3} \times$ the mean.)
- What should you choose?
- Write down your answer.
- What is the equilibrium choice?

Results:



Two-Thirds Of Mean vote, Term 3, SGTM, 2007, Round 2

In detail:

- The mean of the 34 numbers chosen was 13.24
  Two-thirds of the mean was 8.83
  One person chose 9: and the winner is

  Mark Hudson

  who doesn't receive $10 from me. (The runner-up chose 8.)

- None chose about 33 (i.e., about $\frac{2}{3}$ of 50)
  None chose about 22 (i.e., about $\frac{2}{3}$ of 33)
  Four chose about 15 (i.e., about $\frac{2}{3}$ of 22)
  Three chose about 10 (i.e., about $\frac{2}{3}$ of 15)
  One chose 7 (i.e., about $\frac{2}{3}$ of 10)
  Eight chose 1 or less.
  and: Two chose 100 (otherwise 5.21 as 2/3 of the mean).