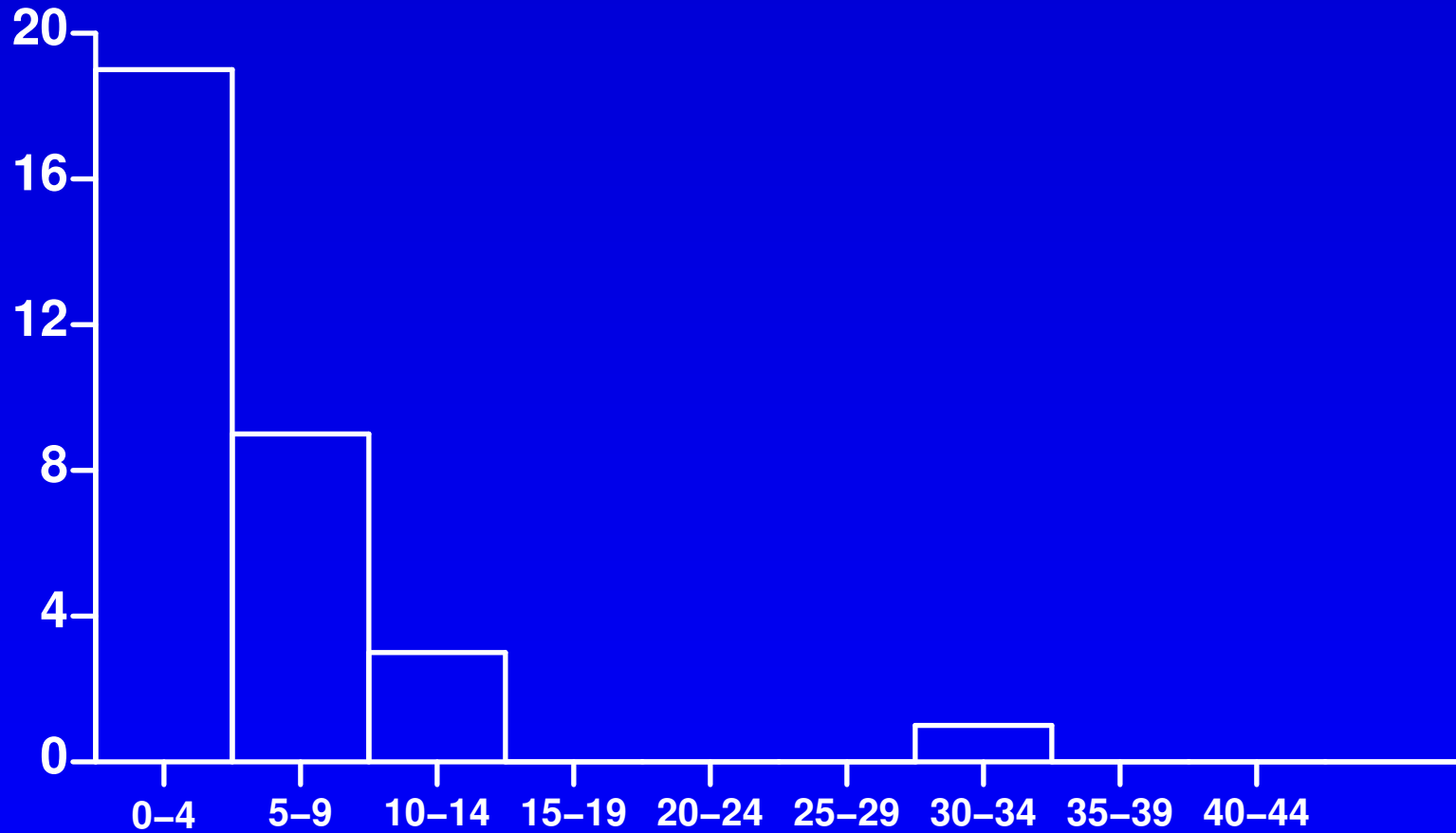


Guess Two-Thirds of the Average

- 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, 2009, Round 2

In detail:

- The mean of the 36 numbers chosen was 14.86
Two-thirds of the mean was 9.91
One person chose 10: and the winner is

Elad

who will receive \$10 from me. (The two runners-up chose 9.)

- One person chose about 33 (i.e., about $\frac{2}{3}$ of 50)
None chose about 22 (i.e., about $\frac{2}{3}$ of 33)
One chose about 15 (i.e., about $\frac{2}{3}$ of 22)
Four chose about 10 (i.e., about $\frac{2}{3}$ of 15)
Two chose 7 (i.e., about $\frac{2}{3}$ of 10)
Four chose 1 or less.
and: Three chose 100 (otherwise 4.75 as $\frac{2}{3}$ of the mean).