

# Laser Blazer

## Activity

To celebrate the end of the year, Michael and five mates go to Laser Blazer.

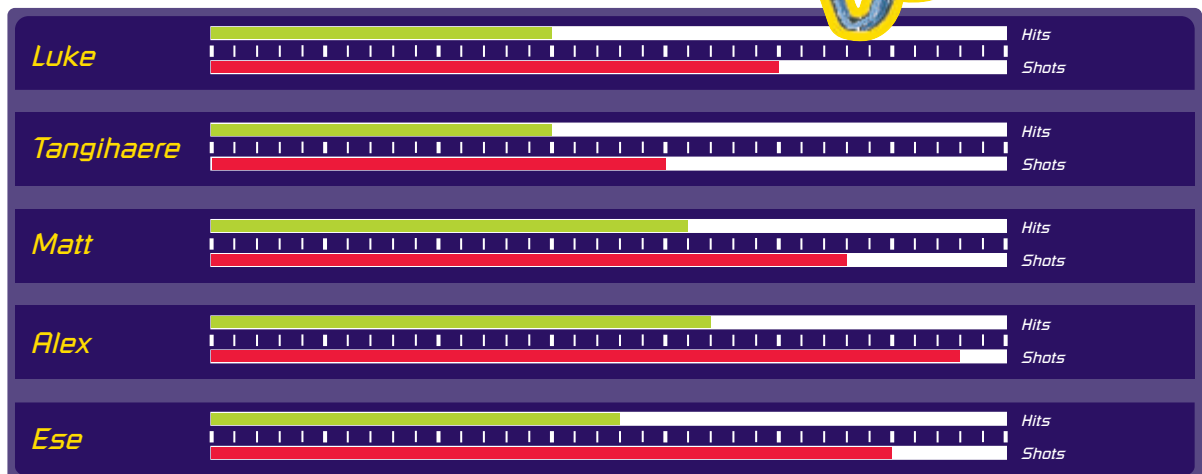
1. a. If they share the discount equally, how much does each of the friends pay to enter?
  - b. What discount do they receive, as a percentage of the normal price?



The game is split into two rounds. The boys start each round with a full magazine of 70 shots. Part-way through round 1, Michael gets a printout of his score:

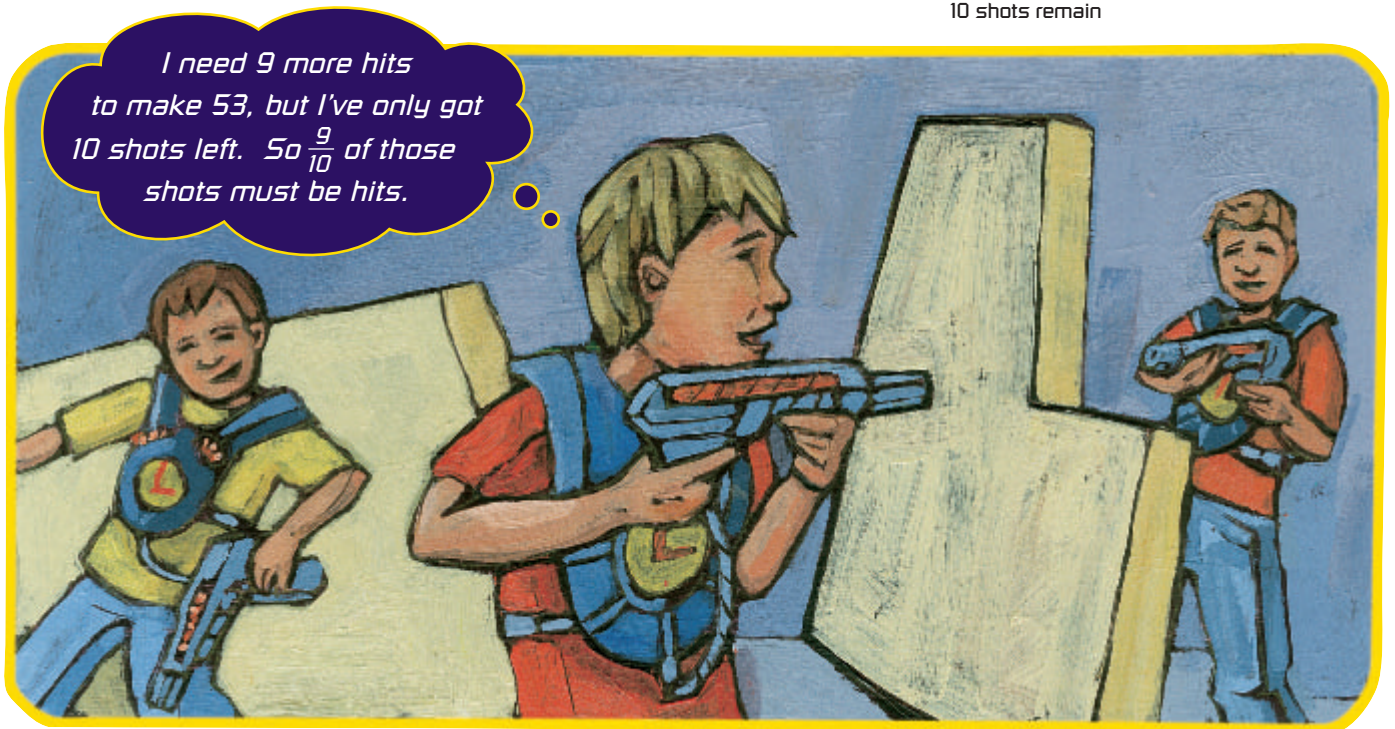


2. Check the printouts for each of Michael's mates. What percentage of their shots were "hits"?

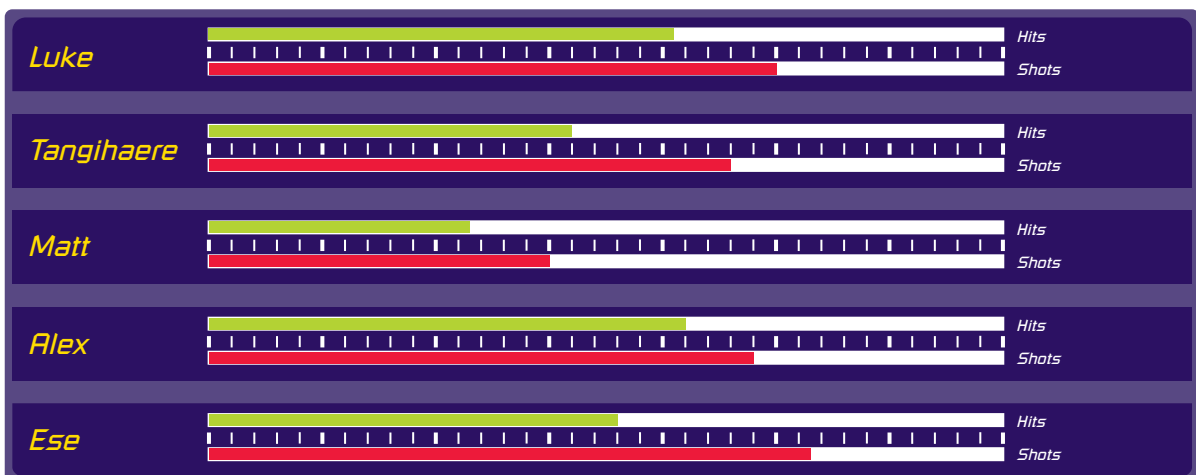


After round 1, the boys' guns are reloaded with 70 more shots. This time, they all want to finish with a 75 percent hit rate or better to earn "marksman" rating. To achieve this, at least 53 of their 70 shots must be hits.

Michael is near the end of the round. When he checks his stats, he sees the rating slipping out of his grasp ...



3. a. What fraction of Michael's mates' remaining shots must be hits if they are to gain marksman rating?



- b. Which of Michael's mates looks least likely to gain marksman rating?