

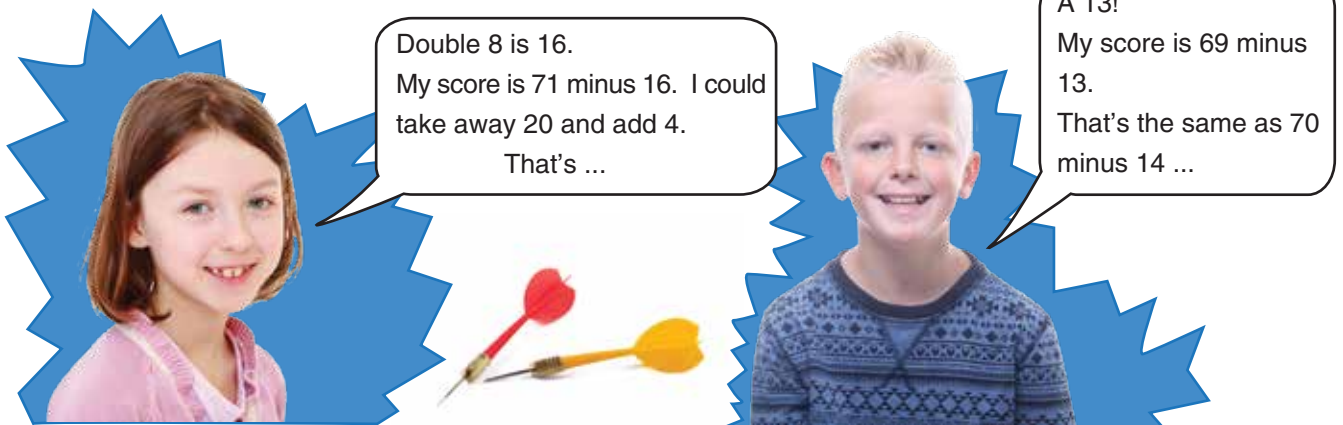
Down with Darts

ACTIVITY

Charlotte and Lawrence are competing against each other in a game of darts. Each player starts with 100 points. After each turn, they subtract their score from their previous total of points. The first player to get exactly zero wins.

On their first turn, each player scores 10. 100 minus 10 is 90, so they are each on 90 points. After two more turns, Charlotte has 71, and Lawrence has 69.

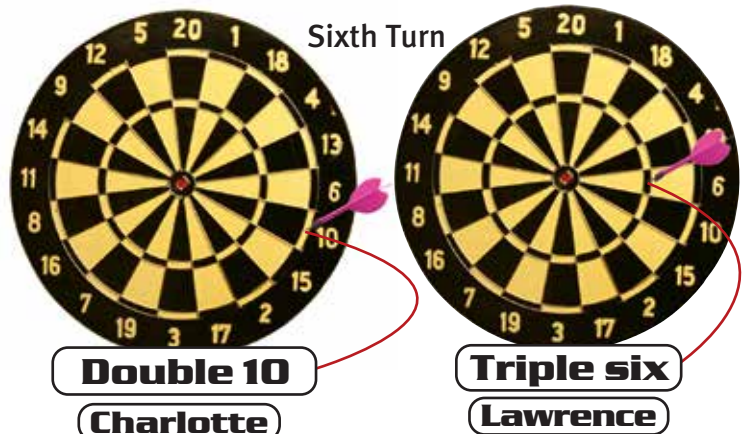
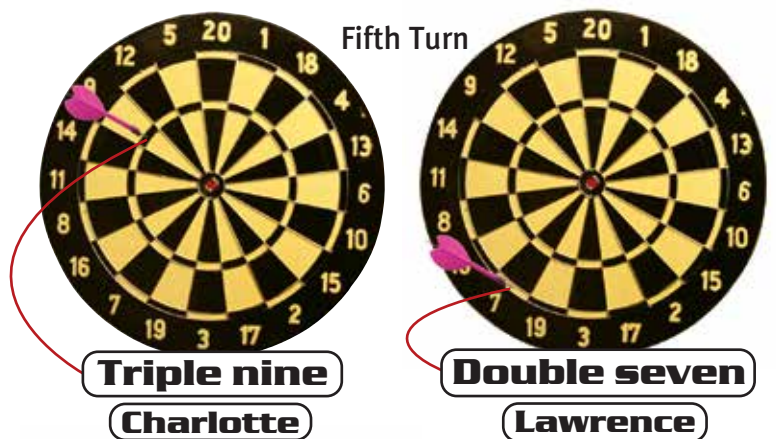
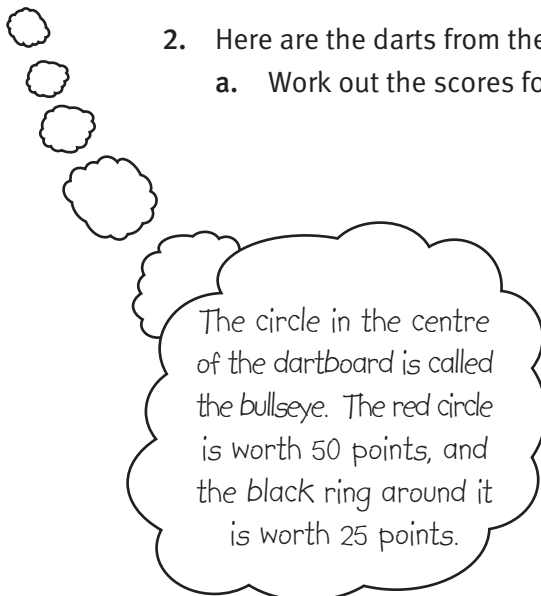
1. On their fourth turn ...



Estimate who is winning after four turns. Check your estimate by calculating each person's score.

2. Here are the darts from the next turns.

a. Work out the scores for each player after each turn.



b. What double or triple would each player need to finish? Remember that they have to get exactly zero!