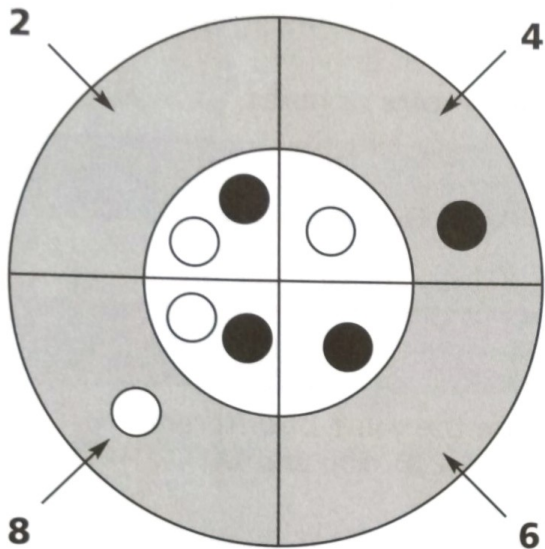


Doubles and singles



Andrea and Nino are playing a game with counters and a board on a table. Each child has shoved four counters along the table to the board.

Andrea's counters are ●

Nino's counters are ○

A counter in an outer ring scores 2, 4, 6 or 8 points.

A counter in an inner circle scores double the amount of the outer ring. So a counter in the inner ring of 8 will score 16 points.

- Work out the scores of Andrea and Nino.

Andrea _____ Nino _____

Who won the game? _____

- The children decide to use more counters to see who can get to 50 first. Andrea gets to 50 with two more counters. There are three ways she could have done this. What are these three ways?

- Both children are now on 50. What is the smallest number of counters they need to reach a score of exactly 100? Explain how you worked out the answer.

- Andrea says it is possible to score exactly 100 points with 7 counters. Is she right? Explain your answer.
