

Here are two games you can play. If you played both games the same number of times, in which game would you expect to win more points?

Game 1:

In every round you flip four coins and win 3 points if you get two heads and two tails

Game 2:

In every round you spin three 1 - 6 spinners and win 2 points for every six that appears

Imagine playing each game a large number of times. How many points would you expect to get?

What if it 'costs' a point to play each round?

Can you explain your answers?