

Circles and Stars



Multiplication Basic Facts

3.OA.1 (Interpret products of whole numbers)

3.OA.7 (Fluently multiply within 100)

You Need

- two players
- one die
- paper and pencil for each player

How to Play

Player A rolls the die, then draws that number of fairly large circles and then rolls the die a second time and draws that number of stars in each of their circles. Player A records the number sentence that tells how many stars he or she has (for example, four circles with three stars in each circle would be $4 \times 3 = 12$ stars).

Player B repeats the same steps.

Play six rounds, then determine the total number of stars that each player has.



Variation

For each round, after Player A draws stars in his circle, determine the probability that Player B will end up with more stars than Player A.