

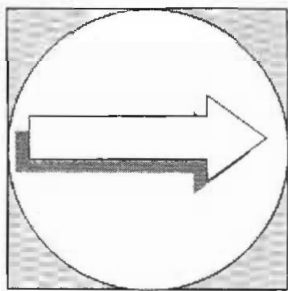
A Page of Problems It's Do or Dice!

A Craig Loewen

Middle School

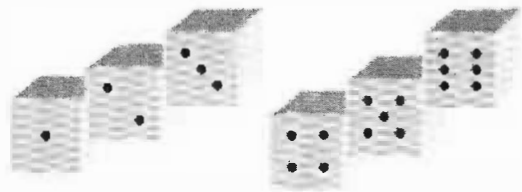
Create a spinner that would give you the same results as

- rolling a six-sided die, and
- rolling two four-sided dice together.



High School

On average, how many times will you have to roll six regular six-sided dice before getting a 1, 2, 3, 4, 5 and 6 all in one roll?



Hint: What is the probability of rolling a 1, 2, 3, 4, 5 and 6 all at once with six dice?

Junior High

Do you have a better chance of rolling an even sum with two regular four-sided dice, or rolling an odd sum with two regular six-sided dice?

Conduct an experiment to test your hypothesis.



Elementary

Jo rolled her six-sided die 100 times and recorded the results in the tally chart below.

Do you think her die was "fair"?

How do you know?

