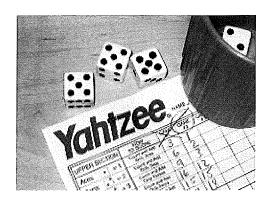
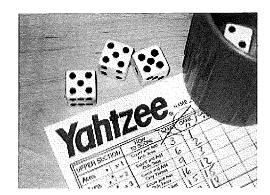
Yahtzee!



The game of Yahtzee is played with 5 dice. A Yahtzee is when all five dice are rolled and show the same number in a single roll.

What is the probability of rolling a Yahtzee in a single roll?

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Solution)

Probability of voiling five "sixes" in one roll $\frac{1}{5} \times \frac{1}{5} \times \frac{1}{5} \times \frac{1}{5} \times \frac{1}{5} = \frac{1}{7176}$

sinathere are to possibilities for rolling a yahtzel (1,23,4,500), multiply the probability by 6.

bx 1 = 1296 = 0.00077

20.08%