

Try It Yourself

There are 20 balls, numbered $1, 2, \dots, 20$ in an urn.

You'll draw out a size-three subset. (i.e. without replacement)

$\Omega = \{\text{size three subsets of } \{1, \dots, 20\}\}$, $\mathbb{P}()$ is uniform measure.

Let X be the largest value among the three balls.

If outcome is $\{4, 2, 10\}$ then $X = 10$.

Write down the pmf of X

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knows how long to explain
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