0.99664	Probability that a beaker contains more than a cup	0.29116	Probability that the capacity of a cup is less than half the capacity of a glass
0.70884	Probability that the total capacity of a beaker and a glass is less than the volume of a teapot	0.22065	Probability that the capacity of the cup is less than a quarter the capacity of a jug
0.99856	Probability that the capacity of a teapot is more than double the capacity of a glass	0.87493	Probability that twice the capacity of a cup is more than the capacity of a glass
0.67724	Probability that the capacity of a jug is more than three times the capacity of a glass	0.77935	Probability that the total capacity of three cups is less than the total capacity of two beakers and a glass

The capacities of various containers are as follows:

Beakers, X, have a mean of 0.25 litres and a standard deviation of 0.02 litres.
Cups, Y, have a mean of 0.23 litres and a standard deviation of 0.03 litres.
Glasses, A, have a mean of 0.4 litres and a standard deviation of 0.05 litres.
Jugs, B, have a mean of 1.1 litres and a standard deviation of 0.1 litres.
Teapots, C, have a mean of 0.85 litres and a standard deviation of 0.04 litres.