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1.	A data professional is analyzing data about a population of aspen trees. They take repeated random samples of 10 trees from the population and compute the mean height for each sample. Which of the following statements best describes the sampling distribution of the mean?	1 / 1 point
	The sampling distribution of the mean is the sum of all the sample means.	
	The sampling distribution of the mean is the maximum value of all the sample	
	means.  The average value of all the sample means.	
	The probability distribution of all the sample means	
	Correct The sampling distribution of the mean is the probability distribution of all the sample means. A probability distribution represents the possible outcomes of a random variable.	
2.	The central limit theorem implies which of the following statements? Select all that apply.	0.5 / 1 point
	The sampling distribution of the mean approaches a normal distribution as the sample size decreases.	
	This should not be selected The central limit theorem states that the sampling distribution of the mean approaches a normal distribution as the sample size increases. If a large enough sample of the population is taken, the sample mean will be roughly equal to the population mean.	
	If you take a large enough sample of the population, the sample mean will be roughly equal to the population mean.	
	Correct The central limit theorem states that the sampling distribution of the mean approaches a normal distribution as the sample size increases. If a large enough sample of the population is taken, the sample mean will be roughly equal to the population mean.	
	The sampling distribution of the mean approaches a normal distribution as the	
	sample size increases.  If you take a small enough sample of the population, the sample mean will be roughly equal to the population mean.	
3.	What is a standard error?	1 / 1 point
	The standard deviation of a sample statistic	
	An estimate of a population parameter	
	A list of all the items in the target population.	

0	The probability distribution of a sample statistic
$\bigcirc$	Correct A standard error is the standard deviation of a sample statistic.