



What is a remainder division operator	What is the first step in binary search	What is digital sound
What does the Merge Sort Algorithm do once the dataset has been split into its individual items?	What is the 8-bit binary representation of the decimal number 250	How do CPU cores allow for more instructions to be processed at once



<p><i>What is a remainder division operator</i></p> <p><b>A remainder division operator performs modulo arithmetic and returns the remainder of an integer division.</b></p>	<p><i>What is the first step in binary search</i></p> <p><b>Identifying the lower bound and upper bound of the data set, inorder to locate the middle item.</b></p>	<p><i>What is digital sound</i></p> <p><b>Answer: Digital sound is made up of sound bites or samples recorded at set intervals.</b></p>
<p><i>What does the Merge Sort Algorithm do once the dataset has been split into its individual items?</i></p> <p><b>The final step in the Merge Sort Algorithm is to continually pair items from the dataset in order until the entire dataset has been ordered.</b></p>	<p><i>What is the 8-bit binary representation of the decimal number 250</i></p> <p><b>The 8-bit binary representation of the decimal number 250 is 11111010.</b></p>	<p><i>How do CPU cores allow for more instructions to be processed at once</i></p> <p><b>Answer: CPU cores allow for more instructions to be processed at once by carrying out parallel processing and multi-tasking.</b></p>