



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

<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, in order 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>