



<p>What is a WHILE loop used for in programming</p>	<p>What is a quotient division operator</p>	<p>What is the basic unit of the binary system</p>
<p>How does the amount of RAM affect computer performance</p>	<p>What does the Immediate Access Store (IAS) or Cache do</p>	<p>What is the decimal representation of the 8-bit binary number 00100101</p>

<p><i>What is a WHILE loop used for in programming</i></p> <p>A WHILE loop is used when we do not know how many times we want a loop to run for and instead want the loop to repeat whilst a certain condition is true. The instructions in the loop will be ignored if the WHILE condition is false.</p>	<p><i>What is a quotient division operator</i></p> <p>A quotient division operator is an operator that performs integer division and returns the whole number part of the result.</p>	<p><i>What is the basic unit of the binary system</i></p> <p>The basic unit of the binary system is a bit, which can store one of two numbers (0 or 1).</p>
<p><i>How does the amount of RAM affect computer performance</i></p> <p>Answer: Smaller amounts of RAM lead to limited multi-tasking and greater need to use virtual memory, while larger amounts allow for greater storage of programs and faster performance.</p>	<p><i>What does the Immediate Access Store (IAS) or Cache do</i></p> <p>Answer: It stores data that is to be immediately processed to avoid wasting time waiting for data delivery.</p>	<p><i>What is the decimal representation of the 8-bit binary number 00100101</i></p> <p>The decimal representation of the 8-bit binary number 00100101 is 37.</p>