



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



<p><i>What is a WHILE loop used for in programming</i></p> <p><b>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.</b></p>	<p><i>What is a quotient division operator</i></p> <p><b>A quotient division operator is an operator that performs integer division and returns the whole number part of the result.</b></p>	<p><i>What is the basic unit of the binary system</i></p> <p><b>The basic unit of the binary system is a bit, which can store one of two numbers (0 or 1).</b></p>
<p><i>How does the amount of RAM affect computer performance</i></p> <p><b>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.</b></p>	<p><i>What does the Immediate Access Store (IAS) or Cache do</i></p> <p><b>Answer: It stores data that is to be immediately processed to avoid wasting time waiting for data delivery.</b></p>	<p><i>What is the decimal representation of the 8-bit binary number 00100101</i></p> <p><b>The decimal representation of the 8-bit binary number 00100101 is 37.</b></p>