



Convert the binary number 01011100, into decimal.

What is an Algorithm?

Give two differences between a LAN and a WAN?

What is a compiler?



Convert the binary number 01011100, into decimal.

128	64	32	16	8	4	2	1
0	1	0	1	1	1	0	0

$$64 + 16 + 8 + 4 = \mathbf{92}$$

What is an Algorithm?

**An algorithm is a set of instructions for solving a problem or completing a task**

Give two differences between a LAN and a WAN?

- **A LAN covers a small (geographic) area / a WAN covers a large (geographic) area**
- **A LAN uses infrastructure owned by one company / a WAN uses third-party infrastructure**
- **A LAN connects individual devices / uses switches, whereas a WAN connects LANs**

What is a compiler?

**A translator which converts source code into machine code, in one go, producing an executable file, that the CPU can run without the translator needing to be present.**