

Largest Binary Numbers

Q. Write down the range of binary numbers that can be represented using 3 bits?

The range is written in the form:

- 0 - biggest number possible

So, for 8 bits the range is 0-255

Range of Binary Numbers

Method:

1. Find the biggest binary number that can be made with the number of bits
2. Write down the range as 0 - biggest

For 3 bits, the biggest is $111 = 7$, so the range is 0-7