

128 64 32 16 8 4 2 1

How **many** numbers can you represent with 4 bits?

- 4 bit is 8 - so you can represent 16 numbers- the **next** one in the line

What is the **largest** number you can represent with 4 bits?

- 4 bit is 8, so the **next** one in line is 16 - so the largest is **one less** than that = 15