Binary Numbers

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In the binary number system we write numbers using just two digits (0 and 1) and the place values are powers of 2.

sixty-fours	2^6	= 64
thirty-twos	2^5	= 32
sixteens	2^4	= 16
eights	2^3	= 8
fours	2^2	= 4
twos	2^1	= 2
ones	2^0	= 1

$\overline{}$ $\overline{}$ $\overline{}$ $\overline{}$ $\overline{}$ $\overline{}$ $\overline{}$
64s 32s 16s 8s 4s 2s 1s

Write the number of dots shown in the base-two notation. Then write the number of dots in the base 10 notation.

Base 2 : __ __ __ __ __ __
         32s 16s 8s 4s 2s 1s

Base 10: __ __ __
      100s 10s 1s

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