Converting decimal to binary and vice versa

Convert the following decimal numbers to binary numbers:

12: | | | | | | | |

27: | | | | | | | |

90: | | | | | | | |

125: | | | | | | | |

196: | | | | | | | |

Convert the following binary numbers to decimal numbers:

0	0	1	1	1	1	1

=

0	1	0	1	1	0	0

=

1	0	1	1	0	1	1

=

1	1	1	0	0	0	1

=

1	0	1	1	1	1	1

=

What is the formula for finding the highest number that can be stored in given bits?

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