

## 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?