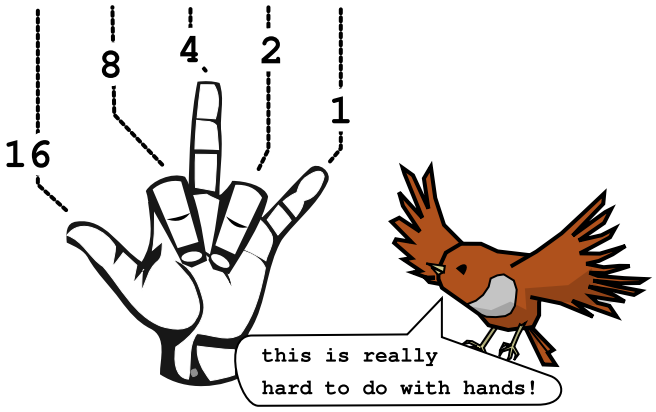
Binary Worksheet

If 1 is a finger raised and 0 is a finger held down and each box is a finger fill in the following questions so that the binary boxes and the number are equal using your fingers on one hand alone.

A)

1	1	1	1	0	=	___
					=	13
1	1	0	0	0	=	___
1	1	0	1	0	=	___
0	0	1	0	0	=	___
					=	30
					=	2
					=	9
					=	19
0	1	1	0	0	=	___
0	0	1	0	1	=	___

1	0	1	0	1	=21



Computers use binary for everything, but they don't use 5 boxes, they use 8. Each tray of 8 binary boxes is called a Byte. Can you work out these harder problems?

B)

1	0	0	0	0	0	0	1	=	___
1	1	0	0	0	0	0	0	=	___
0	0	1	0	0	0	1	1	=	___
								=	65
								=	127
								=	241