ASCII & Binary Conversion Name _____

Using the ASCII chart, convert the message "**Hello world!**" into numbers.

Convert the message **073 116 039 115 097 108 108 110 117 109 098 101 114 115 046** to text.

Convert a message of your choosing into ASCII.

ASCII value	Character	ASCII value	Character	ASCII value	Character
032	(space)	064	@	096	
033	!	065	A	097	a
034	"	066	B	098	b
035	#	067	C	099	c
036	$	068	D	100	d
037	%	069	E	101	e
038	&	070	F	102	f
039	'	071	G	103	g
040	(	072	H	104	h
041	)	073	I	105	i
042	*	074	J	106	j
043	+	075	K	107	k
044	,	076	L	108	l
045	-	077	M	109	m
046	.	078	N	110	n
047	/	079	O	111	o
048	0	080	P	112	p
049	1	081	Q	113	q
050	2	082	R	114	r
051	3	083	S	115	s
052	4	084	T	116	t
053	5	085	U	117	u
054	6	086	V	118	v
055	7	087	W	119	w
056	8	088	X	120	x
057	9	089	Y	121	y
058	:	090	Z	122	z
059	;	091	[	123	{
060	<	092	\	124	|
061	=	093	]	125	}
062	>	094	^	126	~
063	?	095	_	127	⌂

Swap with another group and convert their ASCII back to text.

Binary:	0	1	1	0	0	1	0	1
Decimal:	128	64	32	16	8	4	2	1
	No	Yes	Yes	No	No	Yes	No	Yes
		64 + 32		+		4	+	1

Decimal Equivalent: 101

Decode the following message by converting the binary to decimal then finding the corresponding ASCII letter.

01000011	01101111	01101101	01110000
01110101	01110100	01100101	01110010
00100000	01010011	01100011	01101001
01100101	01101110	01100011	01100101
00100000	01010010	01110101	01101100
01100101	01110011	00100001	

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