

Binary Conversion Worksheet

	thirty seconds	sixteens	eights	fours	twos	ones		Base-10			Base-2 Value
						1	<i>equals</i>	1	→	1 one = 1	1
					1	0	<i>equals</i>	2	→	1 two plus zero ones = 2	10
					1	1	<i>equals</i>	3	→	1 two plus 1 one = 3	11
				1	0	0	<i>equals</i>	4	→	1 four plus zero twos or ones = 4	100
				1	0	1	<i>equals</i>	5	→	1 four plus 1 one = 5	101
				1	1	0	<i>equals</i>	6	→	1 four plus 1 two = 6	110
				1	1	1	<i>equals</i>	7	→	1 four plus 1 two plus 1 one = 7	111
			1	0	0	0	<i>equals</i>	8	→	1 eight plus zero fours, twos, or ones = 8	1000
							<i>equals</i>	9			
							<i>equals</i>	10			
							<i>equals</i>	11			
							<i>equals</i>	12			
							<i>equals</i>	13			
							<i>equals</i>	14			
							<i>equals</i>	15			
							<i>equals</i>	16			
							<i>equals</i>	17			
							<i>equals</i>	18			
							<i>equals</i>	19			
							<i>equals</i>	20			
							<i>equals</i>	21			
							<i>equals</i>	22			
							<i>equals</i>	23			
							<i>equals</i>	24			
							<i>equals</i>	25			