Binary numbers

Base	128	64	32	16	8	4	2	1
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0

0 0 0 0 0 0 0 1 1

Base	128	64	32	16	8	4	2	1	
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	1

0 0 0 0 0 0 1 1 | 1+2 = 3

Base	128	64	32	16	8	4	2	1
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**

1

1+2 = 3

0 0 0 0 0 1 1 1 | 1+2+4 = 7

Base	128	64	32	16	8	4	2	1
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**

1

1+2 = 3

1+2+4 = 7

0 0 0 0 1 1 1 1 | 1+2+4+8 = 15

Base	128	64	32	16	8	4	2	1
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**
	0	**0**	**0**	**0**	**1**	**1**	**1**	**1**

1

1+2 = 3

1+2+4 = 7

1+2+4+8 = 15

0 0 0 1 1 1 1 1 | 1+2+4+8+16 = 31

Base	128	64	32	16	8	4	2	1	
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	1
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**	1+2 = 3
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**	1+2+4 = 7
	0	**0**	**0**	**0**	**1**	**1**	**1**	**1**	1+2+4+8 = 15
	0	**0**	**0**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16 = 31

0 0 1 1 1 1 1 1 | 1+2+4+8+16+32 = 63

Base	128	64	32	16	8	4	2	1	
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	1
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**	1+2 = 3
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**	1+2+4 = 7
	0	**0**	**0**	**0**	**1**	**1**	**1**	**1**	1+2+4+8 = 15
	0	**0**	**0**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16 = 31
	0	**0**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32 = 63

0 1 1 1 1 1 1 1 | 1+2+4+8+16+32+64 = 127

Base	128	64	32	16	8	4	2	1	
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	1
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**	1+2 = 3
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**	1+2+4 = 7
	0	**0**	**0**	**0**	**1**	**1**	**1**	**1**	1+2+4+8 = 15
	0	**0**	**0**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16 = 31
	0	**0**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32 = 63
	0	**1**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32+64 = 127

1 1 1 1 1 1 1 1 | 1+2+4+8+16+32+64+128= 255

Binary numbers

Base	128	64	32	16	8	4	2	1	
Base	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	
	0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	1
	0	**0**	**0**	**0**	**0**	**0**	**1**	**1**	1+2 = 3
	0	**0**	**0**	**0**	**0**	**1**	**1**	**1**	1+2+4 = 7
	0	**0**	**0**	**0**	**1**	**1**	**1**	**1**	1+2+4+8 = 15
	0	**0**	**0**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16 = 31
	0	**0**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32 = 63
	0	**1**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32+64 = 127
	1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	1+2+4+8+16+32+64+128= 255

Binary numbers

What are the possible 3-digit binary numbers?