

Converting Binary Numbers – Set 10

1. Convert this six bit binary number to a normal number:

32s	16s	8s	4s	2s	1s	
1	0	1	0	1	1	=

2. Convert this number to 6 bit binary:

59	=					
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3. This is the largest number you can make using 7 bits. What is it?

64s	32s	16s	8s	4s	2s	1s	
1	1	1	1	1	1	1	=

4. Convert these numbers to 7 bit binary:

101	=						
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93	=						
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72	=						
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5. Convert this 7 bit binary number to a normal number:

1	0	1	0	1	1	0	=
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6. Convert these 8 bit binary number to normal numbers:

1	0	0	1	1	0	1	1	=

1	1	0	0	1	0	1	0	=
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1	0	1	1	0	0	0	1	=
---	---	---	---	---	---	---	---	---

1	0	0	1	1	1	0	1	=
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7. Convert these numbers to 8 bit binary:

250 =

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180 =

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144 =

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137 =

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7. What do we call an 8 bit binary number?

8. What would happen if we added a 9th bit?