

## Converting Binary Numbers – Set 11

1. What numbers do we use in binary? .....

2. A bit is a single binary digit. What do we call an 8 bit binary number?

.....

3. Convert this four bit binary number to a normal number:

8s	4s	2s	1s
1	0	0	1

=

4. What is the largest number you can make using four bits? .....

5. How many numbers can you make using three bits? .....

6. Convert this number to 4 bit binary:

12 =

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

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

=

8. Convert this number to 6 bit binary:

55 =

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9. Convert these 7 bit binary numbers to normal numbers:

64s	32s	16s	8s	4s	2s	1s	
1	0	1	0	1	1	1	=

1	1	0	1	1	0	0	=
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10. ASCII code uses 7 bits to store data. What is ASCII code used for?

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11. If ASCII code uses 7 bits, how many different data items can it store?

.....

12. Convert these 8 bit binary number to normal numbers:

1	0	1	0	1	0	1	0	=

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

222	=							
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89	=							
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