## Converting Binary (base 2) to Denary (base 10)

1. 1010
2. 1110
3. 10101010
4. 10111101
5. 11111111
6. 01111010

## Converting Denary (base 10) to Binary (base 2)

1. 16
2. 39
3. 63
4. 169
5. 211
6. 254

## Converting Binary (base 2) to Hexadecimal (base 16)

1. 1011
2. 10111011
3. 01101010
4. 11111011
5. 110100
6. 11011

## Converting Hexadecimal to Binary and hence to Denary

1. 6 D
2. A 7
3. 17
4. FE
5. C 0
6. 63

## Adding Binary Numbers

Convert the following numbers to binary and add them - show your working.

1. $23+45$
2. $62+127$
3. $212+36$

## Adding Binary Numbers

Convert the following numbers to binary and add them - show your working.
4. $92+76$
5. $115+136$
6. $19+236$

## Negative Binary Numbers

Convert the following numbers to binary, using the 2 s complement method.

1. -4
2. -61
3. -127
4. -128
5. -47
6. 46

## Subtracting Binary Numbers

Convert the following numbers to binary and subtract them - show your working.

1. $45-23$
2. 127-62
3. $67-36$

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## Adding Binary Numbers

Convert the following numbers to binary and add them - show your working.
4. 92-76
5. 115-126
6. 19-67

