

# Computer Architecture

## Tutorial 4a – Floating Point Numbers

- 1) Convert the following decimal numbers to binary:    a) 5.5    b) 8.25    c) 9.3    d) 11.46875
- 2) Convert the binary number 1001.1010101 to decimal.
- 3) Normalise the following binary numbers:                      a) 101.1                      b) 1000.01                      c) 0.00010101
- 4) Fill in the missing entries

Fraction	Binary	Decimal
1/4	0.01	0.25
3/8		
23/16		
	10.1101	
	1.011	
		5.625
		3.0625

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