Decimal to Binary Conversion

- Example :
  - $(150.65)_{10}$ = (...?.....)$_2$

2	150	
2	75	0
2	37	1
2	18	1
2	9	0
2	4	1
2	2	0
2	1	0
	0	1

- 0.65x2 = 1.3 = 0.3 with a carry of 1
- 0.3x2 = 0.6 = 0.6 with a carry of 0
- 0.6x2 = 1.2 = 0.2 with a carry of 1
- 0.2x2 = 0.4 = 0.4 with a carry of 0
- 0.4x2 = 0.8 = 0.8 with a carry of 0
- 0.8x2 = 1.6 = 0.6 with a carry of 1