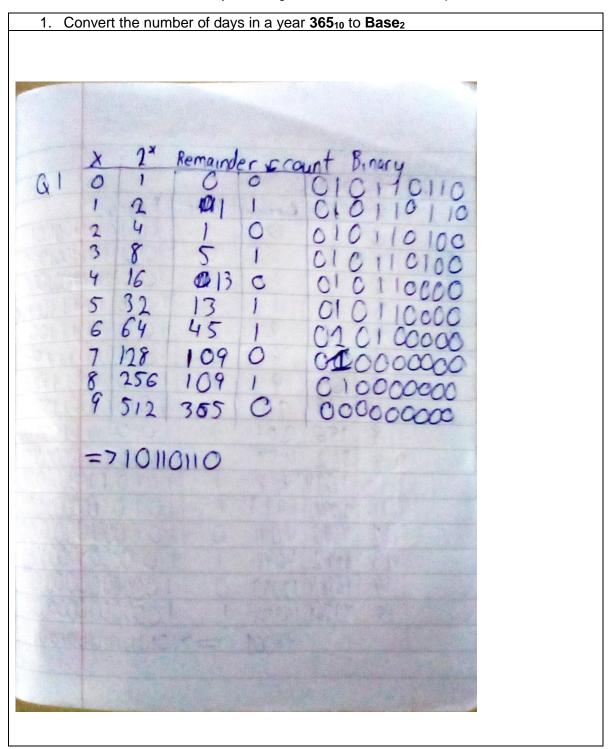
#### **Number Representation**

NOTE: Use of internet is not permitted, apart from uploading submission, calculators are permitted and your answers must include worked solutions. If you require extra sheet(s) please write your name and student number at the top of each additional sheet.

### Part A

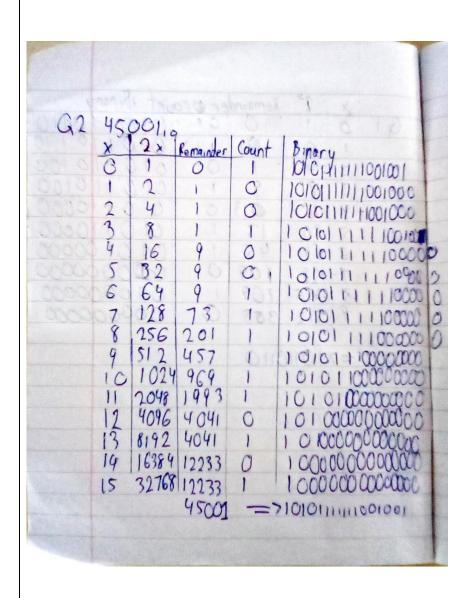
#### **Objective**

Convert decimal numbers to binary showing in detail the conversion process



#### **Number Representation**

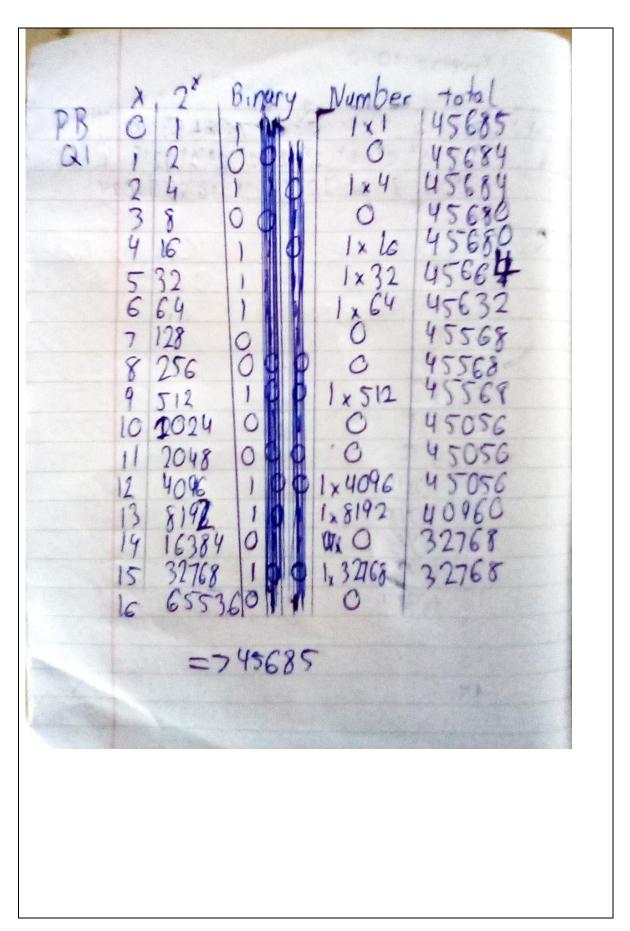
2. Convert the number of available seats in the new Páirc Uí Chaoimh **45,001**<sub>10</sub> to **Base**<sub>2</sub>



# **Number Representation**

Part B	
<b>Objective</b>	
Convert numbers base <sub>2</sub> to Base <sub>10</sub> showing in detail the conversion process	
1. Convert the number 1011001001110101 <sub>2</sub> to Base <sub>10</sub>	

Practical 2
Number Representation

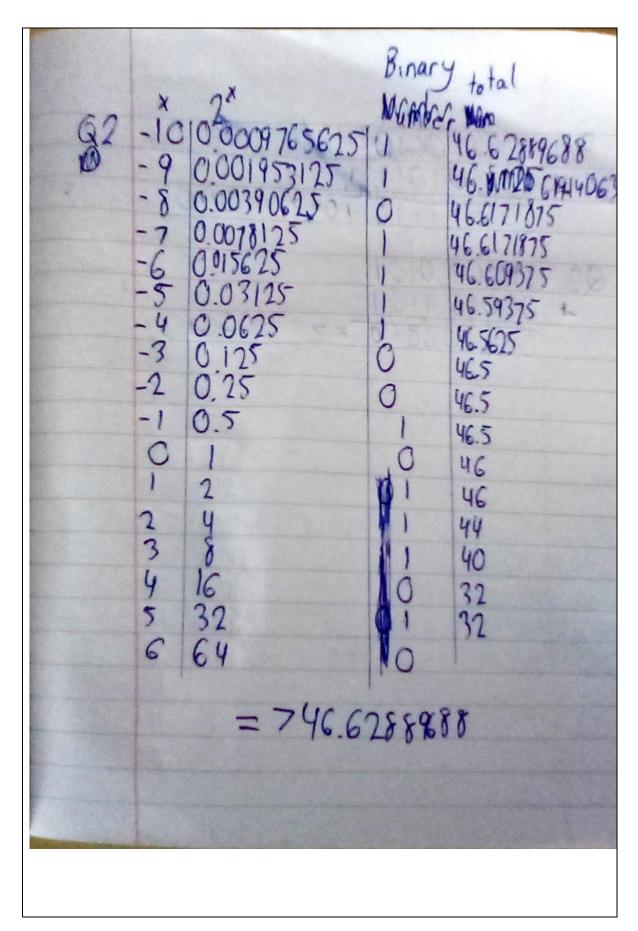


# **Number Representation**

	ļ.
2 Convert the number 101110 1001111011 to Page	
2. Convert the number 101110.1001111011 <sub>2</sub> to Base <sub>10</sub>	
2. Convert the number 101110.1001111011 <sub>2</sub> to Base <sub>10</sub>	
2. Convert the number 101110.1001111011 <sub>2</sub> to Base <sub>10</sub>	

Practical 2

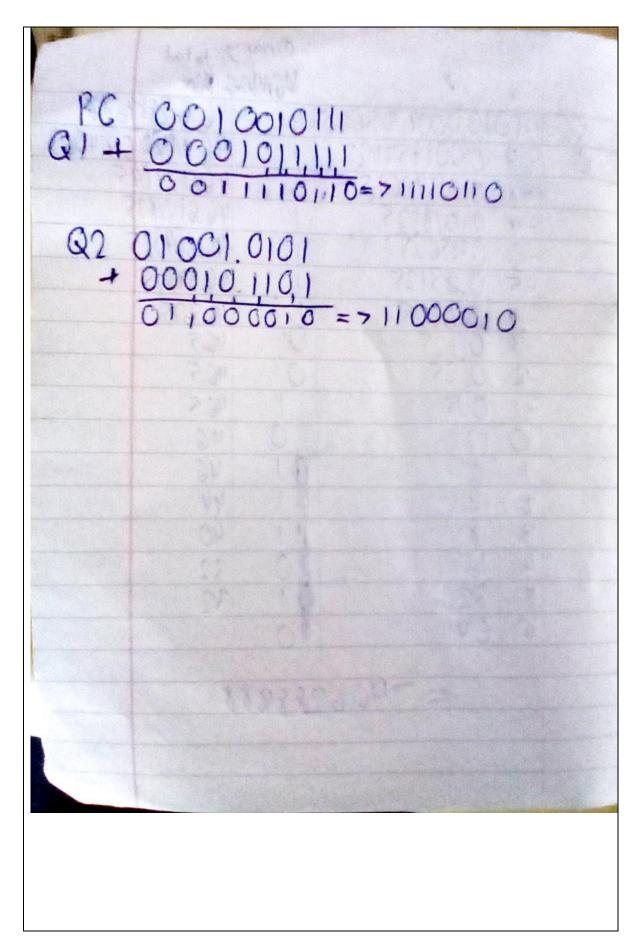
Number Representation



# **Number Representation**

Part C				
Objective				
Add numbers base <sub>2</sub> to base <sub>2</sub> showing in detail the addition process				
1. What is the <b>Base</b> <sub>2</sub> value of addition of <b>1001 0111</b> <sub>2</sub> + <b>0101 1111</b> <sub>2</sub>				
1. What is the Bass <sub>2</sub> value of addition of 1001 0111 <sub>2</sub> 1 0101 1111 <sub>2</sub>				
2. What is the <b>Base</b> <sub>2</sub> value of addition of <b>1001.0101</b> <sub>2</sub> + <b>010.1 1101</b> <sub>2</sub>				

# Practical 2 Number Representation



# **Number Representation**

Hand up this practical report at the end of session and ensure it has been checked

Student Name		Student Number	
Date		Checked	
Group	A/B		