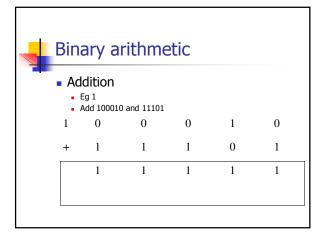
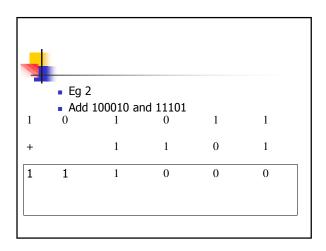
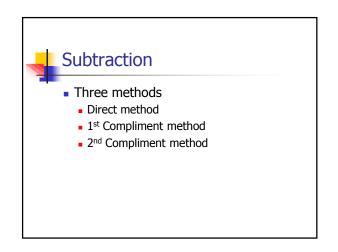
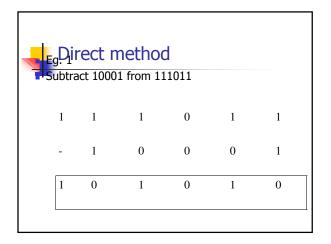
## Number systems arithmetic

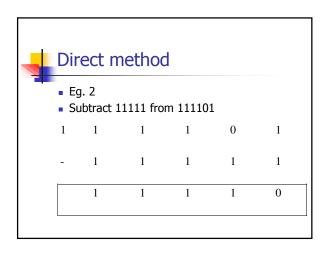
- In this lesson we shall discuss different arithmetic operations on number bases
- These include:
  - Addition
  - Subtraction
  - Multiplication and
  - division



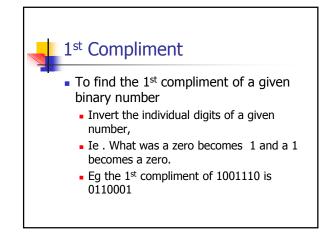


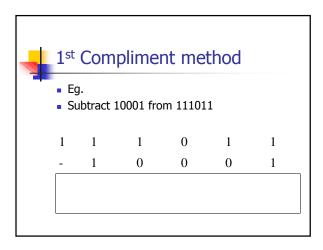


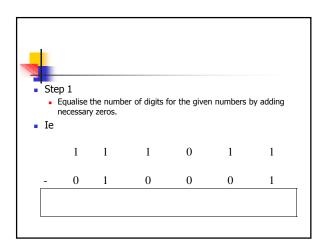


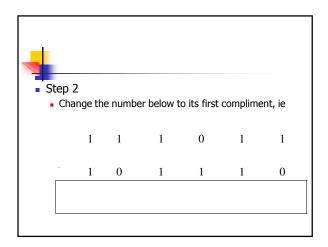


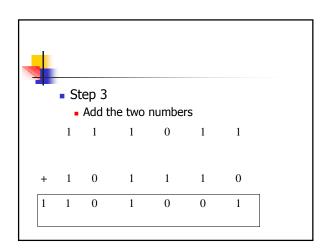
	Dire	ct met	hod						
<ul> <li>Eg. 3</li> <li>Subtract 10111 from 110001</li> </ul>									
1	1	0	0	0	1				
-	1	0	1	1	1				
	1	1	0	1	0				

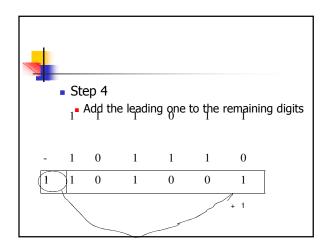


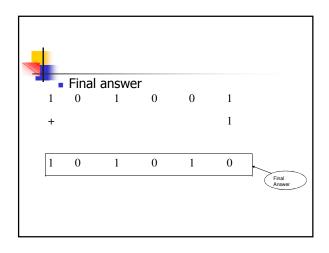


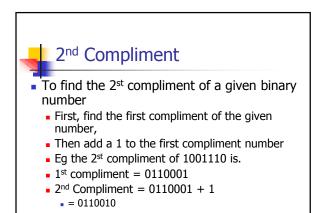


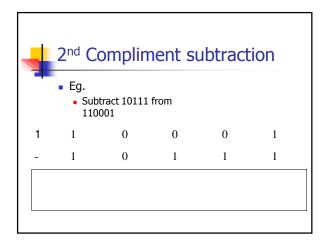


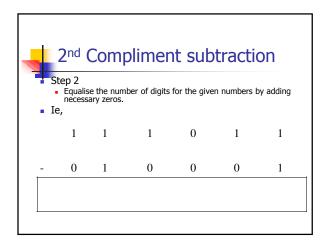


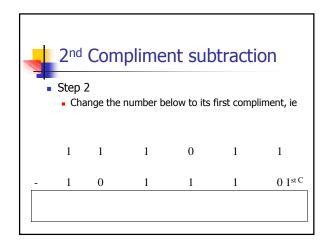


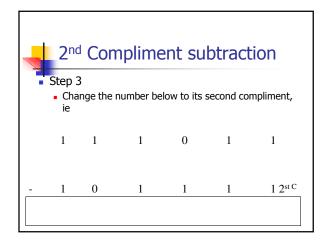


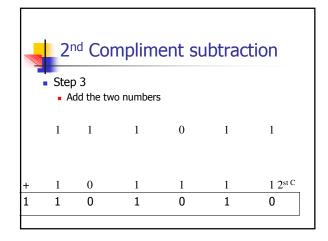


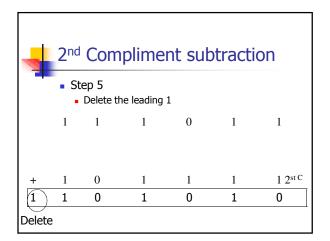




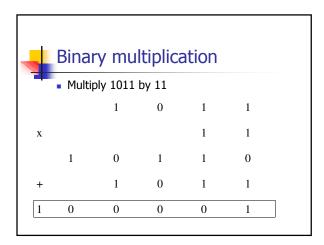


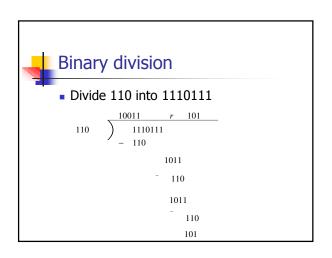


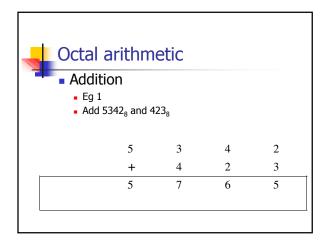


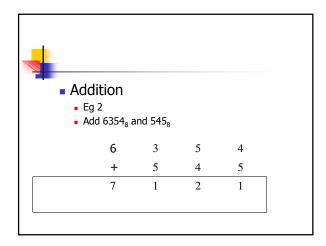


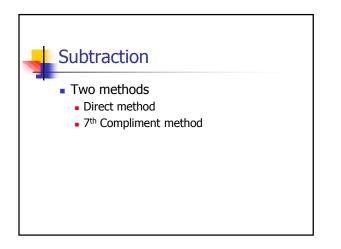
2 <sup>nd</sup> Compliment subtraction									
<ul> <li>Final answer</li> </ul>									
	1	1	1	0	1	1			
+	1	0	1	1	1	1 2 <sup>st C</sup>			
	1	0	1	0	1	0			

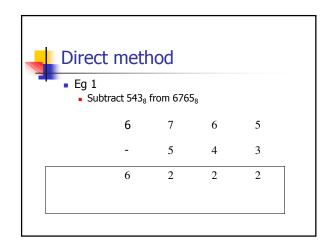


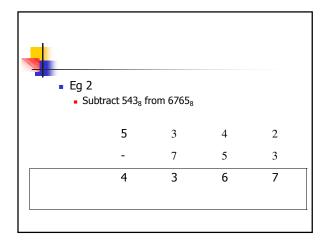


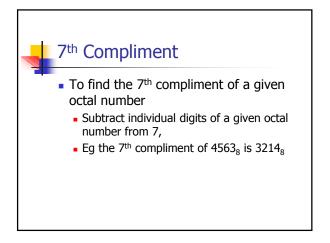


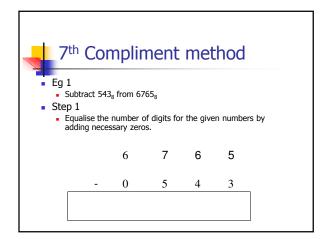


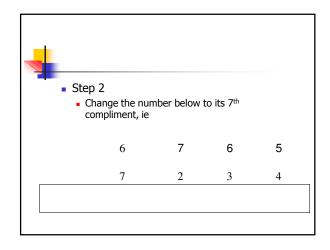


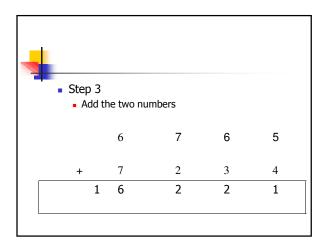


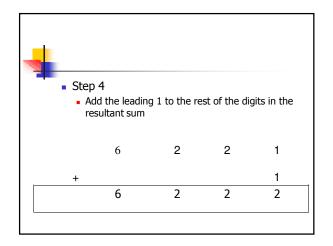


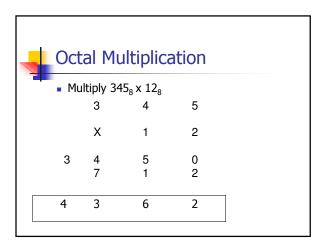


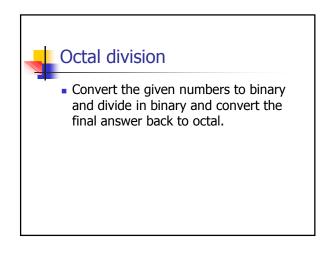


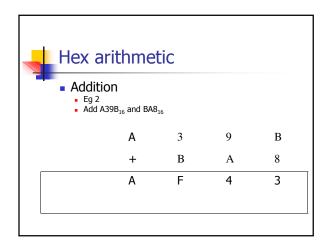


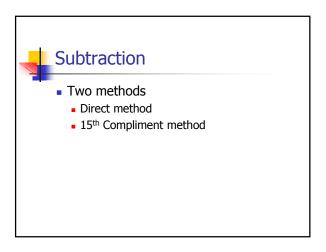


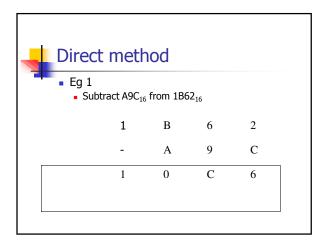


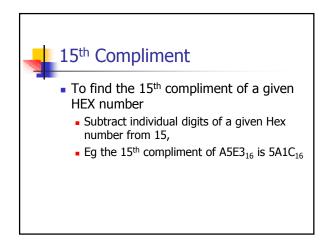


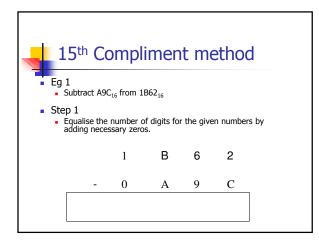


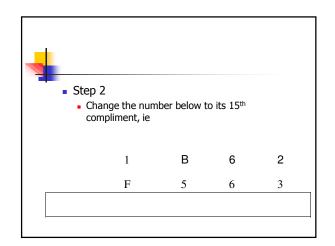


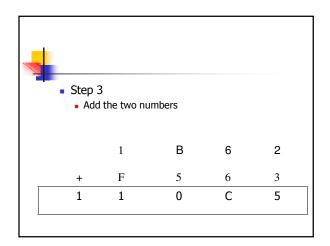


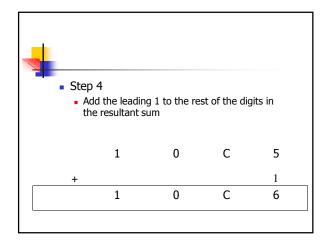












Hex Multiplication									
Multiply A25 <sub>16</sub> x 12 <sub>16</sub>									
	А	2	5						
	Х	1	2						
A 1	2	5 4	0 A						
	•								
В	6	9	A						

