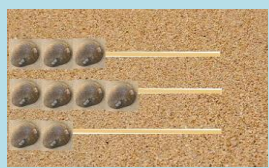
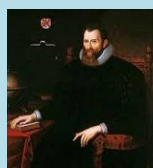


# From the Sand to the Cloud - A history of computing



**Circa 100 BC**  
The Antikythera Mechanism – 1<sup>st</sup> Analogue mechanical computer



Calculating tools are born



**1943**  
Konrad Zuse creates 'Z3' the first electromechanical binary programmable (modern day) computer

**Circa 2400 BC**  
Babylon  
The Abacus – using lines and pebbles in the sand



**Early 17th Century**  
John Napier discovers logarithms for computational purposes

**1822 to 1837**  
Charles Babbage invents the 'Difference Machine' & 'Analytical Engine', which was later completed by his youngest son Henry



**1937 to 1942**  
Atanasoff-Berry Computer created by Professor John Atanasoff and student Cliff Berry, was an electrical computer using vacuum tubes for digital computation and included binary math and Boolean logic. However, the ENIAC was considered to be the first digital computer, because it was fully functional

**1975**  
IBM release the first portable computer, IBM 5100



**1989**  
Sir Timothy John Berners-Lee, creates the World Wide Web

**2000**  
Dot.com bubble bursts

**2012 to 2013**  
Cloud and mobile become one



**1953**  
IBM introduced the 701  
The first electric and mass produced computer



**1981**  
IBM introduced its first personal computer called the IBM PC



**1999**  
Salesforce.com introduced idea of delivering enterprise applications via a simple website



**1950s to 1990**  
Technology starts to shift from 'dumb terminals' as computer scientists like Grosch and McCarthy formulate ideas around 'public utilities'

**2002 to 2006**  
AWS pivotal in development of cloud computing by modernising their data centers and then the introduction of Elastic Compute cloud (EC2) - a commercial web service that allowed companies and individuals to rent computers on which to run their own computer applications