Divisible by 7:

<http://gmatclub.com/forum/shortcut-divisible-by-94576.html>

divisible by 11:

<http://31bit.com/mathematics/98-math-shortcuts/326-math-shortcut-to-tell-if-a-number-is-divisible-by-3-rule-1>

Unsigned long int max value: 4,294,967,925

4,294,967,295 = (232 -1)

18,446,744,073,709,551,615 = (264 -1)

<http://en.wikipedia.org/wiki/Integer_(computer_science)>

<http://www.cut-the-knot.org/blue/div7-11-13.shtml>