

# Happy 306<sup>th</sup> Birthday Ben Franklin!

$$306 = 2 \times 153 = 17^2 + 17!$$

$$1706 = 2 \times \text{Reverse} \{1790 \div 5\}!$$

$$F + R + A + N + K + L + I + N = 153$$



January 17, 1706

April 17, 1790

153, THE FRANKLIN NUMBER!

$$\text{Reverse} \{153\} = 351 = 3 \times 117!$$

$$(1 + 5 + 3) \times 17 = 153!$$

$$3 \times 51 = 153!$$

$$B + E + N + J + N + I + M + A + J + I + N = 153$$

$$15^2 + 3^2 = 234 = 2 \times 117!$$

$$35^2 - 1^2 = 8 \times 153!$$

$$153 = 17 \times 09!$$

$$1706 \text{ becomes } 1790!$$

$$1^2 + 7^2 + 2^2 + 7^2 = 153!$$

$$1^3 + 5^3 + 3^3 = 153!$$

06 rotated upside down yields 90

$$1 \times 5 \times 3 = 15 = \text{Reverse} \{12 + 3\}$$