Create a brute force divisor:

Ldi r16, low(ramend)

Out spl, r16

Ldi r16, high(ramend)

Out sph, r16

Clr r15 ; quotient register

Clr r20 ; remainder lowbyte

Clr r21 ; remainder highbyte

Ldi r16, 0x00 ; numerator low byte

Ldi r17, 0x11 ; numerator highbyte

Ldi r18, 0x04; denominator lowbyte

Clr r19 ; denominator highbyte

Call Division

Clr r15 ; quotient register

Clr r20 ; remainder lowbyte

Clr r21 ; remainder highbyte

Ldi r16, 0xa1 ; numerator low byte

Ldi r17, 0x0a ; numerator highbyte

Ldi r18, 0x06; denominator lowbyte

Clr r19 ; denominator highbyte

Call Division

Clr r15 ; quotient register

Clr r20 ; remainder lowbyte

Clr r21 ; remainder highbyte

Ldi r16, 0xFF ; numerator low byte

Ldi r17, 0xFF ; numerator highbyte

Ldi r18, 0x01; denominator lowbyte

Clr r19 ; denominator highbyte

Call Division

Division:

Inc q

Movw r20, r16

Mul r18, r15

Sub r20, r0

Subc r21, r1

Cp r20, r18

Cpc r21, r19

Brge Division

RET