- 1) Add, Subtract, Multiply operations:
 - a. ADC. Adds two 8 bit registers, adds carry
 - b. ADD. Adds two 8 bit register, without carry
 - c. ADIW. Adds a 6 bit constant and a 16 bit register pair
 - d. FMUL. Multiples two 8 bit registers as a unsigned fraction
 - e. FMULS. Multiples two 8 bit registers as a signed fraction
 - f. FMULSU. Multiples two 8 bit register, one signed and one unsigned fractional number
 - g. MUL. Multiples two 8 bit registers as signed numbers
 - h. MULS. Multiples two 8 bit registers, as unsigned fraction
 - i. MULSU. Multiples two 8 bit registers, one signed and one unsigned fractional number
 - j. SBC. Subtracts two 8 bit registers and subtracts carry
 - k. SBIW. Subtracts one 6 bit constant from a 16 bit register pair
 - I. SUB. Subtracts two 8 bit registers without carry
 - m. SUBI. Subtracts 8 bit constant from and 8 bit register without carry

2 Pseudo code for 16 bit add

- 1 Load operands into registers
- 2 Add registers containing the lower byte of the 16 bit number, carry gets set if needed
- 3 Add with carry the registers containing the higher byte of the 16 bit numbers
- 4 Store first result in \$0100
- 5 Store second result in \$0101

3 Pseudo code for 16 bit subtract

- 1 Load operands into registers
- 2 Subtract registers containing the lower byte of the 16 bit number, carry gets set if needed
- 3 Add with carry the registers containing the higher byte of the 16 bit numbers
- 4 Store first result in \$0100
- 5 Store second result in \$0101