Reading Quiz 3

* Required

1. **Email address** *
   ANSWER KEY

   _____

2. **Assume the decimal value 4 is in r0 and the decimal value 5 is in r1, and the instruction "subs r0, r0, r1" is executed. What will the four status bits N Z C V be set to?** *
   Mark only one oval.

   - ( ) N = 0, Z = 0, C = 0, V = 0
   - ( ) N = 1, Z = 0, C = 0, V = 0
   - ( ) N = 1, Z = 0, C = 0, V = 1
   - ( ) N = 1, Z = 1, C = 0, V = 0

3. **Assume the decimal value 4 is in r0 and the decimal value -1 is in r1. Which of the following instructions would not set the N bit to 1?** *
   Mark only one oval.

   - ( ) muls r0, r1, r0
   - ( ) adds r1, r1, r1
   - ( ) subs r1, r1, r0
   - ( ) adds r0, r0, r1

4. **Which of these instructions will not have any effect if executed when the status bits are set to N=0, Z=1, C=1, V=1?** *
   Mark only one oval.

   - ( ) moveq r0, #20
   - ( ) movne r0, #45
   - ( ) addcs r0, r0, #3
   - ( ) subvs r0, r0, #30

5. **Which instruction suffix corresponds to the condition code for running an instruction no matter what the status bits are set to?** *
   Mark only one oval.

   - ( ) EQ
   - ( ) LE
   - ( ) HI
   - ( ) AL

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