Carry: 1\_\_\_\_ \_11\_

1111 1011 (-5)

+ 1000 0011 (-125)

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10111 1110 (-130)

**OF=1:**

Because 1111 1011 has negative sign, 1000 0011 has negative sign. And the result of AL is 0111 1110 which has positive sign. So the overflow flag will be set.

**CF=0:**

Because 1111 1011 is +251 if we look at the binary numbers without considering the sign, and 0111 1101 is +125, which is smaller than +251. So the carry flag won’t be set.