```
C:\adt\sdk\tools>adb shell vmstat
procs  memory                              system          cpu
 r  b    free  mapped   anon    slab     in    cs  flt  us ni sy id wa ir
 1  0   95308 296784 976812   67336    552 1259    0   4  0 12 79  0  0
 0  0   95324 296792 976816   67336    497 1250    0   6  0  6 79  0  0
 0  0   95324 296792 976820   67336    496 1231    0   6  0  6 80  0  0
 0  0   95280 296792 976828   67336    523 1415    1  19  0 14 99  0  0
 0  0   95280 296792 976892   67336    238  824    7   3  0 13 77  0  0
 1  0   95304 296792 976888   67336    178  772    0   9  0  5 87  0  0
 0  0   95312 296792 976884   67336    274  883    0   7  0 13 83  0  0
 1  0   95312 296792 976884   67336    222  832    0   8  0  6 86  0  0
 0  0   95312 296792 976888   67336    192  784    1   6  0  6 83  0  0
 0  0   95172 296792 976928   67336    368 1106    4  15  0 10 71  1  0
 4  0   95172 296792 976932   67336    490 1247    0   8  0  7 78  0  0
 0  0   95180 296792 976932   67336    510 1296    1   9  0  7 76  0  0
 0  0   95172 296792 976936   67336    575 1318    0   6  0  9 75  0  0
 0  0   94808 296792 976940   67336    444 1361    1  18  0  8 65  0  0
 0  0   94684 296792 976944   67336    243  931    0   8  1 10 75  0  0
```

Figure 3-17. *Dumpsys Meminfo*

Summary

In this chapter we've looked at the tools to first find out if you have a performance problem and then identify the call that needs to be fixed; we also saw some techniques you can use to optimize your application. The Android SDK, and the Android platform, because of their close Unix relationship, come with a wealth of tools that can help you identify issues.