Name: Class:

# Task 1

# 1. How many bytes are there in:

 (a) 3 kB?

 (b) 2.5 MB?

 (c) 2 GB?

 (d) 4 kb

# 2. For each of the binary values below, write down the denary equivalent. Use the grid below to help you.

 (a) 1101

 (b) 1111

 (c) 00100110

 (d) 10110111

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **128** | **64** | **32** | **16** | **8** | **4** | **2** | **1** |
|  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

# 3. What binary value is represented by the switches in the following circuit?

# 4. For the binary number 0110 1101, what is the value stored in:

 (a) the most significant bit?

 (b) the least significant bit?

# Task 2

# 1. For each of the denary values below, write down the binary equivalent.

 (a) 18

 (b) 57

 (c) 163

 (d) 255

# 2. How many bytes would be needed to store the number 256?