

MAT 116 In-class Problems (#1)

June 21, 2010

1. How many 2–digit numbers are there?
2. How many ways are there to form a 3–letter word (i.e. sequence) using the letters A, B, C, D
 - (a) with repetitions of letters allowed?
 - (b) with no repetitions of letters allowed?
 - (c) with no repetitions of letters allowed and containing the letter D ?
 - (d) with repetitions of letters allowed and containing the letter D ?
3. How many 5–digit numbers have repeated digits?