

QUIZ 6 FOR M325K

Name: _____
UT EID: _____

(1) How many ways are there of ordering the set $\{3, 5, 7, 9\}$?

(2) Consider the following modern classics.

- “Should I or Shouldn’t I” by Charles Dickens.
- “Russian Parliaments” by Sasha Dumas.
- “The Other Side of the Tracks” by Herman Malville.
- “When Hell Freezes Over” by John Melting.
- “Jumonjiyari and Kamayari” by William Shakespear.
- “A History of Eastern European Automobiles” by Victor Yugo.

(a) How many ways are there of choosing an ordered selection of 3 books from this list ?

(b) How many different ways are there of ordering these 3 books ?

(c) How many ways are there of choosing 3 books from this collection if the books have to be in alphabetical order by author’s surname ?

(d) Explain how you got the answer for (c).