D3

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3.3.1

- a. eggs coffee eggs juice sausage coffee sausage juice pancakes coffee pancakes juice
- b. 6

3.3.2

- a. 144
- b. 108
- c. 420 added + 1 to every probability, as skipping counts as an extra option
- d. 6x2x52 = 624

3.3.3

- a. 20
- b. 60
- c. 120
- d. 120
- e. SKIP
- f. It got the same numbers.

3.3.4

- a. 6! = 720
- b. 657720
- c. 151200

3.3.5

- a. (WXY) (XYZ) (WYZ) (WXZ) (WYX) (XZY) (WZY) (WZX) (XWY) (ZXY) (ZWY) (XWZ) (XYW) (ZYX) (ZYW) (XZW) (YWX) (YXZ) (YZW) (ZXW) (YXW) (YZX) (YWZ) (ZWX)
- b. Four different groups
- c. Six arrangements in each group
- d. Four
- e. It got the same answers.

3.3.6

- a. 27405
- b. 210
- c. 210
- d. The answers were the same because the two combinations are equivalent.

3.3.7

- a. Possibly permutation, depends on if shirt is picked for certain days
- b. Combination
- c. Combination
- d. Permutation