1. A professor packs her collection of 40 issues of a mathematics journal in four boxes with 10

issues per box. How many ways can she distribute the journals if each box is numbered, so that they are distinguishable?

4.70536087107357e+21

2. How many ways are there to distribute 12 indistinguishable balls into six distinguishable bins

78.0

3. How many ways are there to put five temporary employees into four identical offices?

51.0

4. How many ways are there to distribute five indistinguishable objects into three indistinguishable boxes?

5