

# happy (pre) snow day!

goals today:

- turn in first two matlab assessments in canvas
  - ask if you are stuck or get an error!
- fill out coding in context survey
  - watch video on your own time!
- \*watch harvard video before starting scratch!\*
- get started on scratch introductions
  - make an account (no names!)
  - examples show flexibility of language with only a few building blocks!
  - start your project! ask for help if you need



# Riddle: Binary Numbers

You are a wizard and accidentally mixed up all your potions – and you have 1000 of them!

You and 9 friends have 24 hours to determine which is the one which makes people fly, but the flying potion takes a whole day to take effect! You don't know which potion it is but you can all take drinks of as many as you want to determine which is the flying potion. How can you divvy up the potions to the 10 people to \*guarantee\* to find the exact one which is for flying with only one round of testing!