## Normal Distributions: Empirical Rule and Beyond!

M & M weights are normally distributed with mean $\mu = 800$ mg and standard deviation $\sigma = 32$ mg.

a) What fraction of Ms weigh between 832 mg and 864 mg?

b) What fraction weigh less than 768 mg?

c) What fraction weigh less than 750 mg?

d) What fraction weigh more than 880 mg?

e) What fraction weigh between 797 mg and 834 mg?

f) What fraction weigh less than 680 mg?