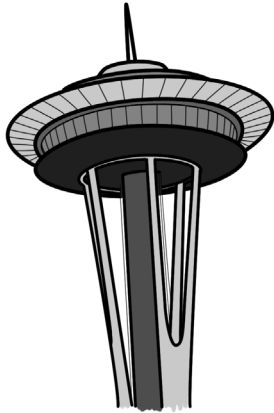


INVASION OF THE BRAIN-SNATCHERS!



WHOA! School is canceled on account of alien invasion! These space aliens appear to be in the business of harvesting human brains! They use them to control weird biomechanical devices like flying robot squids and giant cyborg gorillas. Wait... are we sure this is a bad thing?

The aliens are really trashing the place. They have some sort of space vacuum that is pulling people into their motherships. Each mothership can capture 125 humans per minute. There are 3 motherships hovering over Seattle. How many humans can they snatch up per day?

There are about 800,000 people living in Seattle. Assuming that the rate at which aliens capture humans is constant, how long will it take the aliens to capture everyone? Round your answer to the nearest hour.

The aliens are using $\frac{6}{14}$ of the captured human brains for robot squids and $\frac{8}{21}$ of them for cyborg gorillas. What fraction of the brains are being kept in reserve for an even MORE sinister purpose? Make sure to simplify your answer.

Oh snap! We got captured by the aliens and had our brain transplanted into space apes! The aliens goofed though. Instead of turning us into docile slaves, they seem to have taught us space ape kung-fu! There are 125 alien guards on the ship. If we can beat the stuffing out of $4\frac{1}{2}$ guards per minute, how long will it take for us to take over the alien ship? Express your answer as a mixed fraction.

