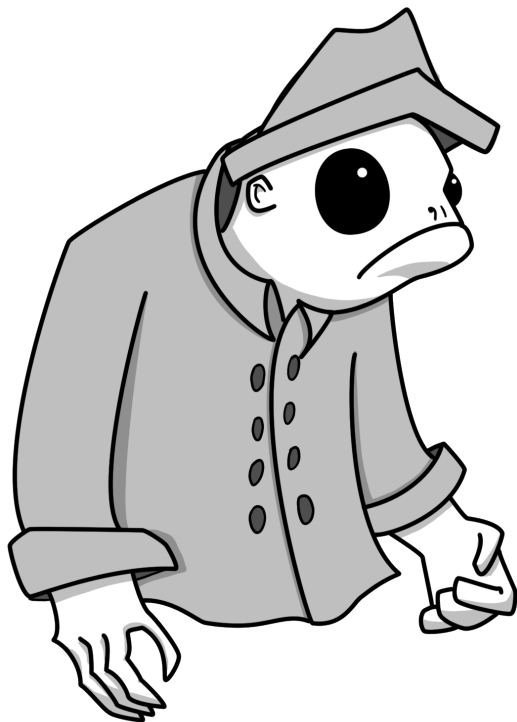


VILLAGE OF THE DEEP

The bus driver got lost again. Instead of taking us to the candy factory for our field trip, we have wound up at a creepy fishing village on the shores of Lake Michigan. Oh well, we might as well make the best of it.



A bunch of students decide to buy salt water taffy at the candy shoppe. Unfortunately, most of it tastes like rotten fish... or worse! Out of a bag of 50 taffies, 44 of them are absolute disgusting. How many bags of taffy will the kids need in order to collect 50 taffies that actually taste good? Express your answer as a mixed fraction.

According to the town history museum, this place used to be a big-time tourist trap. Then the nearby nuclear plant started up and folks started acting... strangely. As the townsfolk started to eat food from the lake, they slowly began to take on the appearance of fish! Now $\frac{1}{2}$ of the people have big googly eyes, a different $\frac{1}{4}$ have webbed feet and scaly skin, and another $\frac{1}{8}$ of them actually have fins! What fraction of the townsfolk don't have horrifying mutations?

It also turns out that this town has not one, but two creepy cults! All of the townsfolk belong to at least one of them. About $\frac{2}{5}$ of the them worship some kind of crazy monster named "Dagon" that they say lives below the lake. Another $\frac{3}{5}$ of the townsfolk worship the toxic sludge that causes dead fish to wash up on the beach. Finally, $\frac{1}{10}$ of them are hedging their bets and are in both cults! What fraction of the townspeople are only in the Dagon cult? What fraction only worship toxic sludge?

I guess eating that taffy might not have been the best idea. As our class gets ready to leave at the end of the day, a bunch of students are looking a little green... fish belly green that is! It looks like $\frac{1}{3}$ of the students now have fish heads and another $\frac{1}{6}$ now have human heads and fish bodies! What fraction of students have managed to retain their humanity?