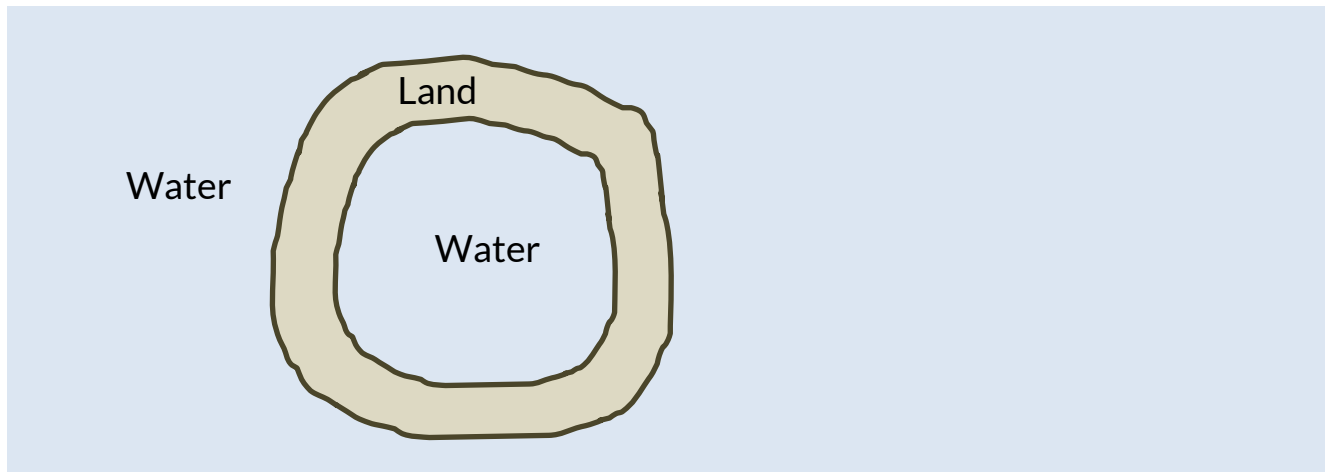
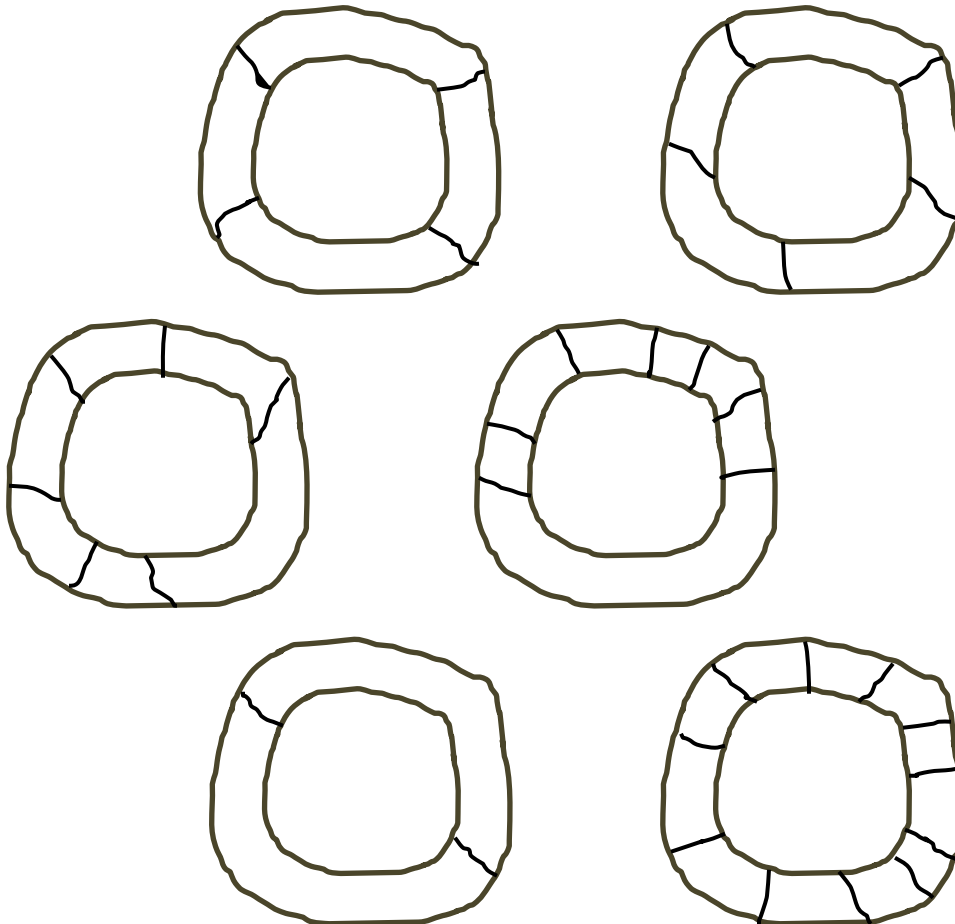


An **atoll** is a ring-shaped reef or island:



How many colors are needed for each of the atoll maps below?



How many colors are needed if the water must also be colored?