Hydrochloric acid reacts with calcium carbonate to produce salt, water and carbon dioxide.

$$2HCl + CaCO_3 \rightarrow CaCl_2 + CO_2 + H_2O$$

What is the maximum mass of calcium chloride formed when 10g of calcium carbonate reacts with excess acid?

(Ar C = 12; Ar O = 16; Ar Cl = 35.5; Ar
$$Ca = 40$$
)