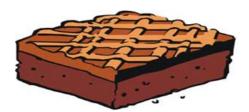# Sharing out chocolate cake

This task is about sharing fractions of a cake.

Dianna had a cake of chocolate divided into 16 segments. She shared it with her friends.

John was given $\frac{1}{4}$, Hana $\frac{1}{8}$, Ben and Nan $\frac{1}{16}$ each, and Mary $\frac{2}{16}$.

Show how many segments each of Dianna's friends would get by writing their names on the segments below.

a)

b) What fraction did Dianna have left? _____