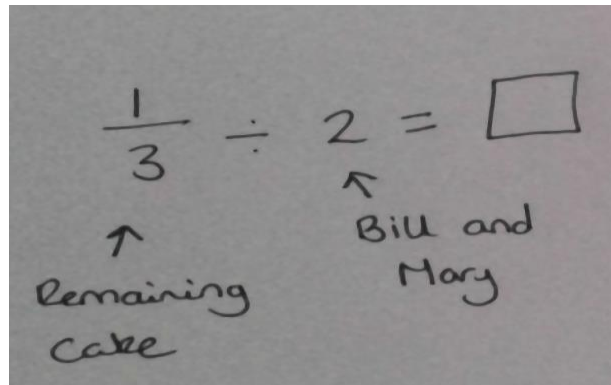- **Objective:** Divide proper fractions by whole numbers e.g. 1/3 ÷ 2 = 1/6

Year 6 Task:

Mary and Bill wanted a piece of chocolate cake each. They went to cut a piece and noticed that there was only a third of the whole chocolate cake left. Bill suggested that they simply share the remaining cake between them.

What fraction of the whole cake did Bill eat?

Worked example

Variation

Mary and Bill wanted a piece of chocolate cake each. They went to cut a piece and noticed that there was only $\frac{1}{5}$ of the whole chocolate cake left. Bill suggested that they simply share the remaining cake between them.

What fraction of the whole cake did Bill eat?

Show your working here:

Answer: Bill ate $\frac{1}{10}$ of the cake

Mary and Bill wanted a piece of chocolate cake each. They went to cut a piece and noticed that there was only $\frac{1}{4}$ of the whole chocolate cake left. Bill suggested that they simply share the remaining cake between them.

What fraction of the whole cake did Bill eat?

Show your working here:

Answer: Bill ate $\frac{1}{8}$ of the cake

HIAS HOME LEARNING