1. In Abigaël’s boarding school, $\frac{1}{2}$ of the students are in the school playground. Of those students, $\frac{3}{4}$ are in various sport uniforms. What fraction of Abigaël’s boarding school students are in various sport uniforms?

2. $\frac{4}{6}$ of the left over cake from Mia’s birthday is still in the fridge. Mia’s brother Bob decided to eat $\frac{2}{4}$ of the cake. What fraction of cake did Mia’s brother ate? (write your answer in its lowest form).

3. Mrs Adams is the head of a health club in their local community. $\frac{2}{3}$ of the members like fruits. Among those who like fruits, $\frac{5}{10}$ like oranges more than anything. What fraction of members are fond of oranges? (write your answer in its lowest term).
1. In Abigaël's boarding school, $\frac{1}{2}$ of the students are in the school playground. Of those students, $\frac{3}{4}$ are in various sport uniforms. What fraction of Abigaël's boarding school students are in various sport uniforms?

- students in playground: $\frac{1}{2}$
- those with sport uniforms: $\frac{3}{4}$

Therefore, $\frac{3}{8}$ students are in various sport uniforms.

2. $\frac{4}{6}$ of the left over cake from Mia's birthday is still in the fridge. Mia’s brother Bob decided to eat $\frac{2}{4}$ of the cake. What fraction of cake did Mia’s brother eat? (Write your answer in its lowest form).

- fraction of cake in the fridge: $\frac{4}{6}$
- fraction of cake Bob ate: $\frac{2}{4}$ of $\frac{4}{6}$

Bob ate $\frac{1}{3}$ of the cake.

3. Mrs Adams is the head of a health club in their local community. $\frac{2}{3}$ of the members like fruits. Among those who like fruits, $\frac{5}{10}$ like oranges more than anything. What fraction of members are fond of oranges? (Write your answer in its lowest term).

- women members: $\frac{2}{3}$
- vegetarians women: $\frac{5}{10}$ of $\frac{2}{3}$

Therefore, $\frac{1}{3}$ members are fond of oranges.

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