Name: .... Class: ....

Multiply fractions - word problems

1. Every morning before going to school, Benjamin takes 3/5 of an hour to brush his teeth and take his bath. If he takes 2/3 of this hour to take his bath, what fraction of the time does he use to take his bath?

2. Yesterday, Mary went for groceries shopping. She bought 6/11 of a kilogram of peaches. If she bought half as many oranges as peaches, what fraction of a kilogram of oranges did she buy?

3. Glen, a bartender prepares 2/5 of fruit juice and 1/5 of spirit to make a cocktail. He then gave 1/3 of this cocktail to a customer. What fraction of the cocktail did the customer drink?

4. On Friday, Peter took 2/3 of an hour to read 5/6 of a book. If on Saturday he took half as much time as he took on Friday to read 5/6 of the book again, how much time did he take to read the book on Saturday?

5. Caroline spent 3/4 of an hour doing an art project. She also spent 1/2 of this time drawing a portrait for the project. What fraction of the time did she spend in drawing a portrait for the project?

6. Logan read 1/2 of a book every day for a week. Owen also read 2/3 of a book every day for five days. What fraction of the book did Logan and Owen read respectively?

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Multiply fractions - word problems

1. ▸ Fraction of an hour he takes to brush his teeth and take his bath = $\frac{3}{5}$

▸ Fraction of this hour he takes to take his bath = $\frac{2}{3}$

> **Therefore,** he used **2/5 of an hour** to take his bath.

2. ▸ Fraction of a kilogram of peaches that she bought = $\frac{6}{11}$

> she bought $\frac{3}{11}$ of a kilogram of oranges

3. ▸ Fraction of fruit juice that he used = $\frac{2}{5}$

▸ Fraction of spirit that he used = $\frac{1}{5}$

> **Therefore,** $\frac{1}{5}$ members are fond ot oranges.

4. ▸ Fraction of an hour Peter took to read 5/6 of a book = $\frac{2}{3}$

> **Therefore,** he took $\frac{1}{3}$ of an hour to read 5/6 of the book on Saturday.

5. ▸ Fraction of an hour she spent doing her art project = $\frac{3}{4}$

▸ Time she spent drawing a portrait for the project = $\frac{1}{2}$ of the $\frac{3}{4}$ of an hour she spent doing her art project

> **Therefore,** she took $\frac{3}{8}$ of this hour drawing a portrait for the project.

6. ▸ Fraction of a book Logan read every day for a week = $\frac{1}{2}$
▸ Fraction of a book Owen read every day for five days = $\frac{2}{3}$

> **Therefore,** Logan read 3 1/2 of the book for a week
> and Owen read 3 1/4 of the book for 5 days.