

Fraction multiplication word problems

Grade 5 Word Problems Worksheet

1. There was $\frac{5}{8}$ of a pie left in the fridge. Daniel ate $\frac{1}{4}$ of the leftover pie. How much of a pie did he have?

2. Olivia took out 8 glasses and poured juice from the pitcher. The capacity of each glass is $\frac{3}{10}$ liter. If there was enough juice for 6 glasses, how much juice was there?

3. Pam baked some cupcakes for her friends. She baked 24 cupcakes. Each cupcake is $\frac{2}{15}$ pound. If she packed 6 cupcakes in each box, what is the weight of each box?



4. According to a recipe, each batch of pancake mix can make 12 pancakes. Kathy is making 3 batches for a brunch party. If each batch needs $\frac{7}{12}$ cups of milk, how much milk does she need in total?
5. There are $\frac{7}{8}$ kilograms of salt in the kitchen. Mrs. Jackson used $\frac{2}{15}$ of the salt when she was preparing dinner. How much salt did she use?
6. According to a recipe, $\frac{9}{20}$ oz of sugar is needed to make 6 cookies. Ashley decided to use only a third of the sugar to make it healthier. How much sugar did Ashley use?

Answers

1. $\frac{5}{8} \times \frac{1}{4} = \frac{5}{32}$

Daniel had $\frac{5}{32}$ of the pie.

2. $\frac{3}{10} \times 6 = 1\frac{4}{5}$

There was $1\frac{4}{5}$ liter of juice.

3. $\frac{2}{15} \times 6 = \frac{4}{5}$

The weight of each box is $\frac{4}{5}$ pounds.

4. $\frac{7}{12} \times 3 = 1\frac{3}{4}$

She needs $1\frac{3}{4}$ cups of milk in total.

5. $\frac{7}{8} \times \frac{2}{15} = \frac{7}{60}$

She used $\frac{7}{60}$ of a kilogram of salt.

6. $\frac{9}{20} \times \frac{1}{3} = \frac{3}{20}$

She used $\frac{3}{20}$ oz of sugar.