

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Mixed Practice with Fractions #3

1. A pan of brownies was left out on the counter and $\frac{1}{4}$ of the brownies had already been eaten. Then John came along and ate $\frac{2}{3}$ of the brownies that were left. How much of the whole pan of brownies did John eat?
2. You have 6 donuts and you want to give $\frac{2}{3}$ of them to a friend and keep $\frac{1}{3}$ for yourself. How many donuts would your friend get? That is, how much is $\frac{2}{3}$ of 6?
3. A baker is making cakes for a big party. She uses $\frac{1}{4}$ cup of oil for each cake. How many cakes can she make if she has a bottle of oil that has 15 cups in it?
4. The serving size for the granola that Wilma likes to eat for breakfast is $\frac{1}{2}$ cup. How many servings are there in a box that holds 32 cups?
5. Mrs. Smith's class is making vests. Each vest uses $\frac{2}{3}$ of a yard of fabric. How many vests can they make out of 18 yards of fabric?

Answers

1. $4/4$ (1 whole) $- 1/4 = 3/4$ of the brownies were left initially. $3/4 \times 2/3 = 6/12$, which reduces to $1/2$.
 $1/2$ of the pan was eaten by John.
2. $6 \times 2 = 12$. $12 \div 3 = 4$
Your friend gets 4 donuts.
3. $15 \div 1/4 = 15 \times 4/1 = 60$
She can make 60 cakes.
4. $32 \div 1/2 = 32 \times 2/1 = 64$
There are 64 servings.
5. $18 \div 2/3 = 18/1 \times 3/2 = 54/2$, which reduces to 27.
They can make 27 vests.