

PROBLEM SOLVING

Lesson 2.10

Name _____

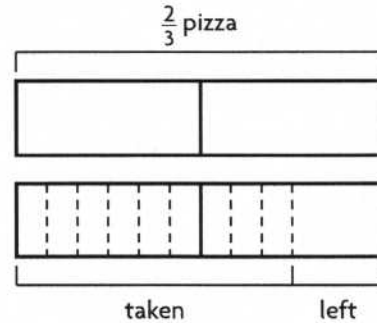
Problem Solving • Fraction Operations

COMMON CORE STANDARD CC.6.NS.1

Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

Read each problem and solve.

1. $\frac{2}{3}$ of a pizza was left over. A group of friends divided the leftover pizza into pieces each equal to $\frac{1}{18}$ of the original pizza. After each friend took one piece, $\frac{1}{6}$ of the leftover pizza remained. How many friends were in the group?



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2. Sarah's craft project uses pieces of yarn that are $\frac{1}{8}$ yard long. She has a piece of yarn that is 3 yards long. How many $\frac{1}{8}$ -yard pieces can she cut and still have $1\frac{1}{4}$ yards left?

3. Alex opens a 1-pint container of orange butter. He spreads $\frac{1}{16}$ of the butter on his bread. Then he divides the rest of the butter into $\frac{3}{4}$ -pint containers. How many $\frac{3}{4}$ -pint containers is he able to fill?

4. Kaitlin buys $\frac{9}{10}$ pound of orange slices. She eats $\frac{1}{3}$ of them and divides the rest equally into 3 bags. How much is in each bag?