

**What's That Portion?**

## Dividing a Whole Number by a Fraction

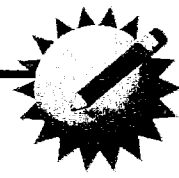
Solve these problems. Use a representation and write an equation for each one.

A fifth-grade class is making gift baskets. Some children are making bows for the baskets. The bows are different sizes.

1. Felix has 2 yards of ribbon. He needs  $\frac{1}{4}$  yard to make 1 bow. How many bows can Felix make?
2. Georgia has 5 yards of ribbon. She needs  $\frac{1}{3}$  yard to make 1 bow. How many bows can Georgia make?
3. Tyler has 3 yards of ribbon. He needs  $\frac{1}{6}$  yard to make 1 bow. How many bows can Tyler make?

Some children are baking treats for the baskets.

4. Martin has 5 cups of flour. If he needs  $\frac{1}{4}$  cup of flour for 1 jumbo cookie, how many jumbo cookies can he make?
5. Tamira has 9 cups of flour. If she needs  $\frac{1}{2}$  cup of flour for 1 jumbo brownie, how many jumbo brownies can she make?



## Making Bows

Solve these problems. Use a representation and write an equation for each one.

**NOTE** Students use representations to solve problems involving dividing a whole number by a unit fraction. (A unit fraction is a fraction in which the numerator is 1.)

1. Joshua has 3 yards of ribbon. He needs  $\frac{1}{4}$  yard to make 1 bow. How many bows can Joshua make?
2. Alicia has 4 yards of ribbon. She needs  $\frac{1}{3}$  yard to make 1 bow. How many bows can Alicia make?
3. Tavon has 5 yards of ribbon. He needs  $\frac{1}{6}$  yard to make 1 bow. How many bows can Tavon make?
4. Yumiko has 6 yards of ribbon. She needs  $\frac{1}{5}$  yard to make 1 bow. How many bows can Yumiko make?