Division Expressions with Fractions and Whole Numbers

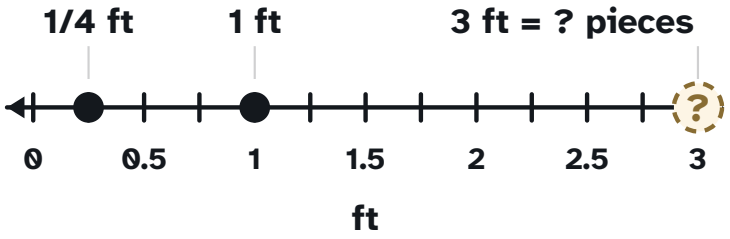
Divide a whole number by a fraction and say what the answer counts.

Name _____ **Date** _____

Tonight's spark

The rec center has a 3-foot strip of tape. Staff cut it into pieces that are each 1/4 foot long to label lockers. How many pieces do they get?

Make a guess first: will there be more than 3 pieces, or fewer?



Our class model: the how-many-fit question

Try it

Work it out on paper. Write one answer on each line.

1 **3 ÷ 1/2 asks how many halves fit in 3. What is 3 ÷ 1/2?**

A. 1 1/2 **B.** 6 **C.** 2 1/2 **D.** 3

My answer _____

2 **How many 1/4-foot pieces fit in 2 feet? Find 2 ÷ 1/4.**

A. 8 **B.** 1/2 **C.** 6 **D.** 16

My answer _____

3 **1/2 of a pan is split into 4 equal shares. What fraction of the whole pan is one share? Find 1/2 ÷ 4.**

A. 2 **B.** 1/4 **C.** 1/8 **D.** 1/6

My answer _____

4 **Which expression asks, "How many 1/3-cup scoops fill 4 cups?"**

A. 1/3 ÷ 4 **B.** 4 – 1/3 **C.** 3 ÷ 1/4 **D.** 4 ÷ 1/3

My answer _____

5 **A baker cuts 5 loaves into slices that are each 1/3 of a loaf. How many slices are there?**

A. 8 **B.** 15 **C.** 5/3 **D.** 2

My answer _____

Talk about it

How many 1/4-foot pieces fit in just one foot?

Home mission

Use a ruler or a strip of paper 1 foot long. Mark every 3 inches. Ask your student: how many pieces fit in 1 foot? How many would fit in a 3-foot strip? Guess out loud, then check.

If we get stuck, ask

- How many small pieces fit into just one whole? Let's start there.
- We have more than one whole. How many wholes are there?
- Will the answer be more or less than what we started with? Why?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/6-1/homework.html

How did it feel? (optional)

Tricky Getting there Got it