

C Houghton Mifflin Harcourt Publishing Company

Name .

Chapter 7 417

Lesson 7.6





Write the unknown numbers. Write mixed numbers above the number line and fractions greater than one below the number line.



Houghton Mifflin Harcourt Publishing Company



C Houghton Mifflin Harcourt Publishing Company

Problem Solving • Applications 🌘



Use the recipe to solve 16-18.

- **16. MATHEMATICAL 2 Reason Quantitatively** Cal is making energy squares. How many $\frac{1}{2}$ cups of peanut butter are used in the recipe?
- **17. THINK SMARTER** Suppose Cal wants to make 2 times as many energy squares as the recipe makes. How many cups of bran cereal should he use? Write your answer as a mixed number and as a fraction greater than 1 in simplest form.
- **18.** Cal added $2\frac{3}{8}$ cups of raisins. Write this mixed number as a fraction greater than 1 in simplest form.
- **19. CODEFFER** Jenn is preparing brown rice. She needs $1\frac{1}{2}$ cups of brown rice and 2 cups of water. Jenn has only a $\frac{1}{8}$ -cup measuring cup. How many $\frac{1}{8}$ cups each of rice and water will Jenn use to prepare the rice?

20. THINK SMARTER Draw a line to show the mixed number and fraction that have the same value.

$1\frac{2}{5}$	2 ³ / ₈	$4\frac{1}{3}$	$1\frac{2}{3}$	
$\frac{30}{3}$	$\frac{13}{3}$	$\frac{4}{3}$	$\frac{8}{5}$	





WRITE Math • Show Your Work •



- **13.** A recipe calls for $2\frac{2}{4}$ cups of raisins, but Julie
only has a $\frac{1}{4}$ cup measuring cup. How many**14.** If Julie needs $3\frac{1}{4}$ cups of oatmeal, how many
 $\frac{1}{4}$ cups of oatmeal will she use? $\frac{1}{4}$ cups does Julie need to measure out $2\frac{2}{4}$ cups of raisins?

15. [WRITE *Math* Draw and explain how you can use a number line to rename a fraction greater than 1 as a mixed number.

Lesson Check (4.NF.B.3c)

- **1.** Write a mixed number that is equivalent to $\frac{16}{3}$.
- 2. Stacey filled her $\frac{1}{2}$ cup measuring cup seven times to have enough flour for a cake recipe. How much flour does the cake recipe call for?

Spiral Review (4.NBT.B.5, 4.NBT.B.6, 4.NF.A.1, 4.NF.B.3d)

- **3.** Becki put some stamps into her stamp collection book. She put 14 stamps on each page. If she completely filled 16 pages, how many stamps did she put in the book?
- **4.** Brian is driving 324 miles to visit some friends. He wants to get there in 6 hours. How many miles does he need to drive each hour?

- **5.** During a bike challenge, riders have to collect various colored ribbons. Each $\frac{1}{2}$ mile they collect a red ribbon, each $\frac{1}{8}$ mile they collect a green ribbon, and each $\frac{1}{4}$ mile they collect a blue ribbon. Which colors of ribbons will be collected at the $\frac{3}{4}$ mile marker?
- **6.** Stephanie had $\frac{7}{8}$ pound of bird seed. She used $\frac{3}{8}$ pound to fill a bird feeder. How much bird seed does Stephanie have left?

