Lesson 8.2

Multiples of Fractions

List the next four multiples of the fraction.

1. \( \frac{3}{5} \), ____, ____, ____

2. \( \frac{2}{6} \), ____, ____, ____

3. \( \frac{4}{8} \), ____, ____, ____

4. \( \frac{5}{10} \), ____, ____, ____

Write the product as the product of a whole number and a unit fraction.

5. \( 2 \times \frac{4}{5} = \) ________________

6. \( 5 \times \frac{2}{3} = \) ________________

Problem Solving

7. Jessica is making 2 loaves of banana bread. She needs \( \frac{3}{4} \) cup of sugar for each loaf. Her measuring cup can only hold \( \frac{1}{4} \) cup of sugar. How many times will Jessica need to fill the measuring cup in order to get enough sugar for both loaves of bread?

8. A group of four students is performing an experiment with salt. Each student must add \( \frac{3}{8} \) teaspoon of salt to a solution. The group only has a \( \frac{1}{8} \)-teaspoon measuring spoon. How many times will the group need to fill the measuring spoon in order to perform the experiment?
Lesson Check (4.NF.4b)

1. Eloise made a list of some multiples of $\frac{8}{5}$. Write 5 fractions that could be in Eloise’s list.

2. David is filling five $\frac{3}{4}$-quart bottles with a sports drink. His measuring cup only holds $\frac{1}{4}$ quart. How many times will David need to fill the measuring cup in order to fill the 5 bottles?

Spiral Review (4.NBT.6, 4.OA.3, 4.NF.3c, NF.2)

3. Ira has 128 stamps in his stamp album. He has the same number of stamps on each of the 8 pages. How many stamps are on each page?

4. Ryan is saving up for a bike that costs $198. So far, he has saved $15 per week for the last 12 weeks. How much more money does Ryan need in order to be able to buy the bike?

5. Tina buys $3\frac{7}{8}$ yards of material at the fabric store. She uses it to make a skirt. Afterward, she has $1\frac{3}{8}$ yards of the fabric leftover. How many yards of material did Tina use?

6. Order these fractions from least to greatest: $\frac{2}{3}, \frac{7}{12}, \frac{3}{4}$