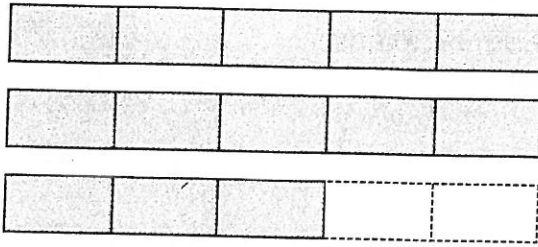


► To write $\frac{13}{5}$ as a mixed number:

- Edna draws a diagram to show 13 fifths.



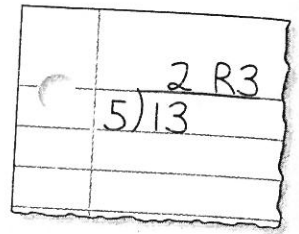
There are 5 fifths in 1 whole, and 10 fifths in 2 wholes. There are 2 wholes, with 3 fifths left over.



So, $\frac{13}{5}$ is the same as $2\frac{3}{5}$.

- Chioke gets the same result using division.

There are 5 fifths in 1 whole. To find how many wholes are in 13 fifths, I divide:
 $13 \div 5 = 2$ with remainder 3.
 There are 2 wholes with 3 fifths left over.

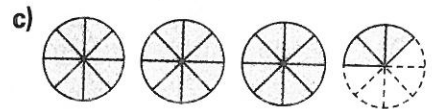
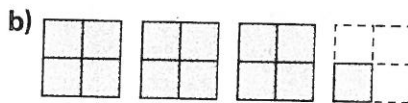
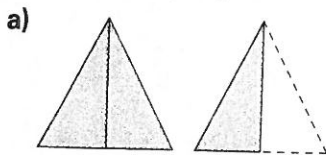


So, $\frac{13}{5} = 2\frac{3}{5}$

Practice

Use Cuisenaire rods or coloured strips when they help.

1. Write an improper fraction and a mixed number to describe each picture.



2. Draw a picture to represent each number.

- a) $\frac{5}{8}$ b) $1\frac{2}{3}$ c) $\frac{7}{4}$ d) $\frac{9}{2}$

3. Write each mixed number as an improper fraction.

- a) $1\frac{1}{6}$ b) $4\frac{3}{8}$ c) $1\frac{3}{4}$ d) $3\frac{3}{5}$ e) $8\frac{1}{2}$ f) $7\frac{1}{4}$

4. Write each improper fraction as a mixed number.

- a) $\frac{17}{5}$ b) $\frac{9}{4}$ c) $\frac{18}{4}$ d) $\frac{14}{3}$ e) $\frac{20}{3}$ f) $\frac{20}{6}$

5. Which of these improper fractions are between 4 and 5? How do you know?

- a) $\frac{13}{3}$ b) $\frac{13}{4}$ c) $\frac{13}{5}$ d) $\frac{13}{6}$

choose (4)



6. Mary baked 5 round bannock for a bake sale at the Chief Kahkewistahaw Community School in Saskatchewan. She cut each bannock into 12 equal pieces. Mary sold 41 pieces of bannock.

a) How many bannock did Mary sell?

Give your answer 2 ways.

b) How many bannock are left?

Give your answer 2 ways.



7. Suppose you have 14 quarters.

Do you have \$4? Explain.

8. The pizza at Kwame's party is cut into eighths.

Kwame eats 3 slices and the rest of the family eats 18 slices.

There are 3 slices left over.

How many pizzas had been ordered?

9. Maybelline has $3\frac{5}{6}$ loaves of bread in her diner in Regina.

The whole loaves are cut into 6 equal slices.

To how many customers can Maybelline serve a slice of bread?

Draw a diagram to show your solution.

10. Hair scrunchies come in packages of 5.

Suppose you have $2\frac{1}{5}$ of these packages to share among 4 friends.

a) Do you have enough scrunchies to give each friend three scrunchies? How do you know?

b) Do you have enough scrunchies to give each friend two? How do you know?



11. Suppose you get 0 as the remainder when you divide the numerator of an improper fraction by the denominator.

What does that tell you?

Use drawings and words to explain.

Reflect

What is the difference between a mixed number and an improper fraction?

Use pictures, words, and numbers to show how to rename an improper fraction as a mixed number.