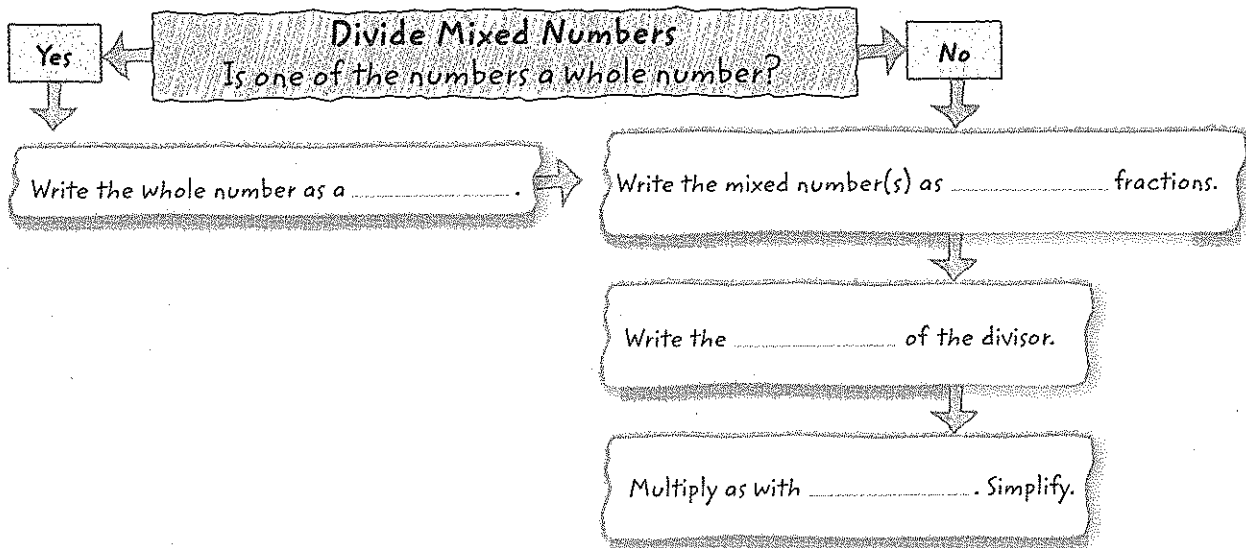


# Divide Mixed Numbers

**CCSS Identify Structure** Complete the steps in dividing mixed numbers.



## Guided Practice

Divide. Write in simplest form. Check by multiplying. (Examples 1–4)

1.  $3\frac{1}{2} \div \frac{1}{2} =$  \_\_\_\_\_

2.  $2\frac{2}{3} \div 1\frac{1}{6} =$  \_\_\_\_\_

3.  $6\frac{2}{3} \div 2\frac{6}{7} =$  \_\_\_\_\_

Show your work.

4. A box of snack-size cracker packs weighs  $28\frac{1}{2}$  ounces. Each snack pack weighs  $4\frac{3}{4}$  ounces. How many snack packs are in the box? (Example 5)

5. The soccer team has  $16\frac{1}{2}$  boxes of wrapping paper left to sell. If each of the 12 players sells the same amount, how many boxes should each player sell? (Example 5)

# Independent Practice

Divide. Write in simplest form. Check by multiplying. (Examples 1–4)

1.  $4\frac{1}{6} \div 10 =$  \_\_\_\_\_

Show your work.

2.  $6\frac{1}{2} \div \frac{3}{4} =$  \_\_\_\_\_

3.  $3\frac{3}{4} \div 5\frac{5}{8} =$  \_\_\_\_\_

4. The length of a kitchen wall is  $24\frac{2}{3}$  feet long. A border will be placed along the wall of the kitchen. If the border comes in strips that are each  $1\frac{3}{4}$  feet long, how many strips of border are needed? (Example 5)

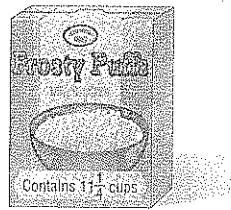
5. Jay is cutting a roll of biscuit dough into slices that are  $\frac{3}{8}$  inch thick. If the roll is  $10\frac{1}{2}$  inches long, how many slices can he cut? (Example 5)

## Standardized Test Practice

10. How many  $\frac{3}{4}$ -cup servings of cereal can be made from the box of cereal shown?

- (A)  $8\frac{7}{16}$
- (B)  $10\frac{1}{2}$

- (C) 12
- (D) 15



14.  $7\frac{4}{5} \div \frac{1}{5} =$  \_\_\_\_\_

15.  $6\frac{1}{2} \div 3\frac{1}{4} =$  \_\_\_\_\_

16.  $8\frac{3}{4} \div 2\frac{1}{6} =$  \_\_\_\_\_

17.  $3\frac{3}{5} \div 1\frac{4}{5} =$  \_\_\_\_\_

18.  $6\frac{3}{5} \div 2\frac{3}{4} =$  \_\_\_\_\_

19.  $4\frac{2}{3} \div 2\frac{2}{9} =$  \_\_\_\_\_

The average adult male Giant Panda weighs about  $1\frac{1}{5}$  times as much as the average adult female. If the average weight of a male Giant Panda is 330 pounds, how much does the average female Giant Panda weigh?

To find the average weight, solve the equation  $330 \div 1\frac{1}{5} =$

