

Name _____

Rename Fractions and Mixed Numbers**COMMON CORE STANDARD—4.NF.3b**
Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.**Write the mixed number as a fraction.**

1. $2\frac{3}{5}$

2. $4\frac{1}{3}$

3. $1\frac{2}{5}$

4. $3\frac{2}{3}$

Think: Find $\frac{5}{5} + \frac{5}{5} + \frac{3}{5}$.

$$\frac{13}{5}$$

5. $4\frac{1}{8}$

6. $1\frac{7}{10}$

7. $5\frac{1}{2}$

8. $2\frac{3}{8}$

Write the fraction as a mixed number.

9. $\frac{31}{6}$

10. $\frac{20}{10}$

11. $\frac{15}{8}$

12. $\frac{13}{6}$

13. $\frac{23}{10}$

14. $\frac{19}{5}$

15. $\frac{11}{3}$

16. $\frac{9}{2}$

Problem Solving

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

Lesson Check (4.NF.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.5, 4.NBT.6, 4.NF.1, 4.NF.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?

Name _____

Add and Subtract Mixed Numbers**COMMON CORE STANDARD—4.NF.3c**
*Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.***Find the sum. Write the sum as a mixed number, so the fractional part is less than 1.**

1.
$$\begin{array}{r} 6\frac{4}{5} \\ + 3\frac{3}{5} \\ \hline \end{array}$$

$$9\frac{7}{5} = 10\frac{2}{5}$$

2.
$$\begin{array}{r} 4\frac{1}{2} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2\frac{2}{3} \\ + 3\frac{2}{3} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 6\frac{4}{5} \\ + 7\frac{4}{5} \\ \hline \end{array}$$

5.
$$\begin{array}{r} 9\frac{3}{6} \\ + 2\frac{2}{6} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8\frac{4}{12} \\ + 3\frac{6}{12} \\ \hline \end{array}$$

7.
$$\begin{array}{r} 4\frac{3}{8} \\ + 1\frac{5}{8} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 9\frac{5}{10} \\ + 6\frac{3}{10} \\ \hline \end{array}$$

Find the difference.

9.
$$\begin{array}{r} 6\frac{7}{8} \\ - 4\frac{3}{8} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 4\frac{2}{3} \\ - 3\frac{1}{3} \\ \hline \end{array}$$

11.
$$\begin{array}{r} 6\frac{4}{5} \\ - 3\frac{3}{5} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 7\frac{3}{4} \\ - 2\frac{1}{4} \\ \hline \end{array}$$

Problem Solving

13. James wants to send two gifts by mail. One package weighs $2\frac{3}{4}$ pounds. The other package weighs $1\frac{3}{4}$ pounds. What is the total weight of the packages?
14. Tierra bought $4\frac{3}{8}$ yards blue ribbon and $2\frac{1}{8}$ yards yellow ribbon for a craft project. How much more blue ribbon than yellow ribbon did Tierra buy?

Lesson Check (4.NF.3c)

1. Brad has two lengths of copper pipe to fit together. One has a length of $2\frac{5}{12}$ feet and the other has a length of $3\frac{7}{12}$ feet. How many feet of pipe does he have?

2. A pattern calls for $2\frac{1}{4}$ yards of material and $1\frac{1}{4}$ yards of lining. How much total fabric is needed?

Spiral Review (4.OA.3, 4.NBT.4, 4.NBT.5, 4.NBT.6)

3. Shanice has 23 baseball trading cards of star players. She agrees to sell them for \$16 each. How much money will she make from selling the cards?

4. Nanci is volunteering at the animal shelter. She wants to spend an equal amount of time playing with each dog. She has 145 minutes to play with all 7 dogs. About how much time can she spend with each dog?

5. Frieda has 12 red apples and 15 green apples. She is going to share the apples equally among 8 people and keep any extra apples for herself. How many apples will Frieda keep for herself?

6. The Lynch family bought a house for \$75,300. A few years later, they sold the house for \$80,250. How much greater was the selling price than the purchase price?

Lesson Check (4.NF.3c)

1. Reggie is making a double-layer cake. The recipe for the first layer calls for $2\frac{1}{4}$ cups of sugar. The recipe for the second layer calls for $1\frac{1}{4}$ cups of sugar. Reggie has 5 cups of sugar. How much will he have left after making both recipes?

2. Kate has $4\frac{3}{8}$ yards of fabric and needs $2\frac{7}{8}$ yards to make a skirt. How much extra fabric will she have left after making the skirt?

Spiral Review (4.OA.4, 4.NBT.5, 4.NBT.6, 4.NF.3c)

3. Paulo has 128 glass beads to use to decorate picture frames. He wants to use the same number of beads on each frame. If he decorates 8 picture frames, how many beads will he put on each frame?

4. Madison is making party favors. She wants to make enough favors so each guest gets the same number of favors. She knows there will be 6 or 8 guests at the party. What is the least number of party favors Madison should make?

5. A shuttle bus makes 4 round-trips between two shopping centers each day. The bus holds 24 people. If the bus is full on each one-way trip, how many passengers are carried by the bus each day?

6. To make a fruit salad, Marvin mixes $1\frac{3}{4}$ cups of diced peaches with $2\frac{1}{4}$ cups of diced pears. How many cups of peaches and pears are in the fruit salad?
