Name _____

Addition with Unlike Denominators

Common Core **COMMON CORE STANDARD—5.NF.A.1, 5.NF.A.2** *Use equivalent fractions as a strategy to add and subtract fractions.*

Use fraction strips to find the sum. Write your answer in simplest form.

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

$\frac{1}{2} + \frac{3}{4} + \frac{2}{4} + \frac{3}{4} = \frac{5}{4}$, or $1\frac{1}{4}$

$1\frac{1}{4}$

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

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

4. $\frac{3}{8} + \frac{1}{2}$

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

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

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

8. $\frac{2}{3} + \frac{1}{2}$

9. $\frac{7}{8} + \frac{1}{2}$

Problem Solving Real World

10. Brandus bought $\frac{1}{3}$ pound of ground turkey and $\frac{3}{4}$ pound of ground beef to make sausages. How many pounds of meat did he buy?

11. To make a ribbon and bow for a hat, Stacey needs $\frac{5}{6}$ yard of black ribbon and $\frac{2}{3}$ yard of red ribbon. How much total ribbon does she need?

12. WRITE Math Write a story problem that involves adding fractions with unlike denominators. Include the solution.

Lesson Check (5.NF.A.2)

1. Hirva ate $\frac{5}{8}$ of a medium pizza. Elizabeth ate $\frac{1}{4}$ of the pizza. How much pizza did they eat altogether?

2. Bill ate $\frac{1}{4}$ pound of trail mix on his first break during a hiking trip. On his second break, he ate $\frac{1}{6}$ pound. How many pounds of trail mix did he eat during both breaks?

Spiral Review (5.NBT.A.1, 5.NBT.A.2, 5.NBT.B.5, 5.NBT.B.6, 5.NBT.B.7)

3. In 782,341,693, what digit is in the ten thousands place?

4. Matt ran 8 laps in 1,256 seconds. If he ran each lap in the same amount of time, how many seconds did it take him to run 1 lap?

5. Gilbert bought 3 shirts for $15.90 each, including tax. How much did he spend?

6. Julia has 14 pounds of nuts. There are 16 ounces in one pound. How many ounces of nuts does she have?

FOR MORE PRACTICE GO TO THE Personal Math Trainer