Name ______________________________

On Your Own

Use a common denominator to write an equivalent fraction for each fraction.

5. $\frac{5}{9}, \frac{4}{15}$

6. $\frac{1}{6}, \frac{4}{21}$

7. $\frac{5}{14}, \frac{8}{42}$

8. $\frac{7}{12}, \frac{5}{18}$

MTR **Write the unknown number for each ■.**

9. $\frac{1}{5}, \frac{1}{8}$ common denominator: ■

■ = ____________

10. $\frac{2}{5}, \frac{1}{\blacksquare}$ common denominator: 15

■ = ____________

11. $\frac{3}{\blacksquare}, \frac{5}{6}$ common denominator: 42

■ = ____________

12. Arnold had three pieces of different colored strings that are all the same length. Arnold cut the blue string into 2 equal-size lengths. He cut the red string into 3 equal-size lengths, and the green string into 6 equal-size lengths. He needs to cut the strings so each color has the same number of equal-size lengths. What is the least number of equal-sized lengths each color string could have?

____

13. One tray of granola bars was cut into 4 equal-size pieces. A second tray was cut into 12 equal-size pieces, and a third was cut into 8 equal-size pieces. Jan wants to continue cutting until all three trays have the same number of pieces. How many pieces will there be on each tray?

____

14. Mr. Nickelson tells the class that they double a common denominator for $\frac{1}{2}$, $\frac{3}{5}$, and $\frac{9}{15}$ to find the number of the day. What number is the number of the day?

____

Problem Solving • Applications Real World

15. Katie made two pies for the bake sale. One was cut into three equal slices and the other into 5 equal slices. She will continue to cut the pies so each one has the same number of equal-sized slices. How many equal-sized slices could each pie have?

a. What information are you given? ______________________________

____

b. What problem are you being asked to solve? ______________________________

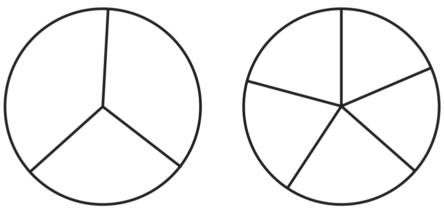
____

c. When Katie cuts the pies more, can she cut each pie the same number of times and have all the slices be the same size? Explain. ______________________________

____

____

d. Use the diagram to show the steps you use to solve the problem.



e. Complete the sentences.

A common denominator of $\frac{1}{3}$ and $\frac{1}{5}$ is ______.

Katie can cut each piece of the first pie into ______ and each piece of the second pie into ______.

That means that Katie can cut each pie into pieces that are ______ of the whole pie.

16. Moriah bought $\frac{5}{8}$ pound of almonds and $\frac{3}{4}$ pound of walnuts. Choose the pairs of fractions that are equivalent to the amounts that Moriah bought. Mark all that apply.

Ⓐ $\frac{5}{8}$ and $\frac{6}{8}$ Ⓑ $\frac{10}{16}$ and $\frac{14}{16}$ Ⓒ $\frac{20}{32}$ and $\frac{23}{32}$ Ⓓ $\frac{15}{24}$ and $\frac{18}{24}$