

Name _____

Date _____

Solve the problems below using your knowledge of multiplying and dividing fractions and mixed numbers.

1. Jane has 15 pieces of gum. She gave $\frac{7}{8}$ of her gum to Mary. How many pieces did Mary get?
2. One batch of muffins contains $1\frac{3}{4}$ cups of raisins. How many cups of raisins are needed to make 6 batches of muffins?
3. Mark drank $\frac{5}{8}$ of a 24-ounce can of juice. Lili drank $\frac{1}{3}$ as much juice as Mark did. How many ounces did each one drink?
4. The gasoline tank of a large car can hold 14 gallons. If the tank is $\frac{1}{8}$ full, how many gallons of gasoline are needed to fill up the tank?
5. A piece of wood is 15 feet long. How many $\frac{3}{4}$ -foot sections can be cut from it?
6. A candy bar is $\frac{3}{4}$ of an inch long. If it is divided into pieces that are $\frac{1}{8}$ of an inch long, how many pieces is that?
7. Lenny has $4\frac{5}{6}$ feet of ribbon on each of 4 tables. How many feet of tape does he have?
8. A table has a length of $3\frac{2}{3}$ feet and a width of $2\frac{3}{4}$ feet. What is the area of the table?
9. Janet has $5\frac{3}{4}$ inches of licorice. She divides the licorice into pieces that are $1\frac{7}{8}$ inches long. How many pieces will she have? (Write your answer as a mixed number.)
10. Jack has a piece of wood that is $12\frac{2}{3}$ inches long. He divides the wood into pieces that are $3\frac{4}{5}$ inches long. How many pieces will he have? (Write your answer as a mixed number.)