

Name _____ Period _____ Date _____

Multiplying and Dividing with Fractions Word Problems

1. Mrs. Smith bought $3\frac{1}{2}$ yards of yellow fabric. She used $\frac{2}{3}$ of the fabric to make a chicken costume. How much fabric did she use?
2. Julie studied for $3\frac{1}{3}$ hours during the 4 days before her last math test. If she studied for the same amount of time each day, how much time did she spend studying each day?
3. An aquarium holds $6\frac{1}{4}$ gallons of water. The water level dropped to $\frac{4}{5}$ of this amount. How much water should be added to full the aquarium?
4. A piece of plywood 24 inches wide is cut into strips $2\frac{1}{2}$ inches wide. How many strips of this width can be cut?

5. Sean used $\frac{3}{4}$ cup of sugar to make a dozen brownies. How much sugar is in each brownie?
6. A gasoline pump delivers $4\frac{2}{5}$ gallons of gas per minute. How many minutes will it take to fill a gas tank that holds $16\frac{1}{2}$ gallons?
7. Six Flags Amusement Park has found that $\frac{3}{5}$ of its customers ride the Colossus roller coaster. Of these, $\frac{1}{4}$ ride it again. What fraction of the customers ride the roller coaster twice?
8. Bill earned \$45 at Happy Days Drive-In. He spent $\frac{1}{3}$ of the money on gas for his car and $\frac{1}{5}$ of it on flowers for his girlfriend. How much money does he have left for the big date?