



I.) Rachel has a rope that is 16 feet long. She cuts the entire rope into pieces that were 1/4 foot long. How many pieces did Rachel cut?

2.) A butcher has I/5 pound of beef. He divides the beef evenly among 5 bags. What fraction of a pound of beef goes into each bag?

3.) Rick wants to use 4 different colors on I/6 of his painting. He will use an equal amount of space for each color. What fraction of the total picture space will contain each color?

4.) A pitcher of lemon aid needs 1 1/3 cup of sugar. If you make 4 pitchers, how much sugar will you need?

## Unit 3 Study Guide Multiply & Divide Fractions

5.) Elizabeth has 9 bags of candy. Each bag weighs 2/3 pound. What is the total weight, in pounds, of the 9 bags of candy?

6.) Trish drew a rectangle with a length of 1/4 and a width of 4/10 foot. What is the area, in square feet of Trish's picture?

7.) Mary has 2 I/3 pounds of fruit. She used 2/3 of the fruit for a breakfast recipe. How much fruit did she use for the recipe? How much fruit was left over?

8.) A frame has an area of I/IO square feet. If the frame is 5 feet wide what is the length of the frame?

9.) What is 1/4 of 1/6?

10.) An outdoor concert venue has 5 rows of seats. Each row holds 20 people. All of the seats are full on 4 of the rows. The  $5^{th}$  row has 2/4 of the seats filled. How many TOTAL seats are filled?

II.) After a birthday party, Walter had 2 2/3 pizzas left over. Walter's uncle ate I/4 of the left overs. How much pizza did Walter's uncle eat?

12.) Ben has 1/2 gallon of paint. He poured the paint into 4 cups. What fraction of the gallon of paint is in each cup?