

Draw a diagram or picture to show how to solve each of the following problems.

Then write the number sentence associated with the problem.

1. There are 15 cars in Eric's toy car collection. Two-thirds of the cars are red. How many red cars does Eric have?

2. Nicole filled 5 glasses with $\frac{2}{3}$ liter of soda in each glass. How much soda did Nicole use?

3. Kyson has been serving $\frac{2}{3}$ cup of lemonade to each student. If he has $1\frac{1}{2}$ cups of lemonade left, how many students can still get lemonade? How much of a serving will the last student get?

4. $3\frac{1}{2}$ cups of lemonade will fill $2\frac{1}{3}$ glasses. How many cups of lemonade does each glass hold?

5. Wanda really likes cakes. She decides that a serving should be $\frac{3}{5}$ of a cake. She has 4 cakes. How many servings does she have?

6. You have decided to host a party and you want to serve Ben and Jerry's Ice Cream. You decide that you want to serve $\frac{3}{4}$ of a pint of ice cream to each guest.

a. If you buy 6 pints of ice cream, how many guests can you serve? Justify your answer using a picture and a number sentence.

b. If you buy eight pints of ice cream how many guests can you serve? Will there be any ice cream left over? If so, how much extra ice cream will each guest receive? Give your answer in pints.

7. Write some rules for multiplying/dividing fractions.