CGI Math
Teacher Learning Center

These are problems I have given my fifth grade students in the past year. I usually try to include experiences that the students know. I also try to make number sets to relate in a way to push relationships among problems.

Ms. Stacy Dustman

Mentor Teacher

Mrs. Pierce collected ___ rocks to share equally with ___ students. If each student got the same amount of rocks, how many would each student receive? (384, 6) (384, 8) (384, 16)

Erika is making a cake for her birthday party. The recipe to the cake calls for 1 ½ cups of sugar, ¾ cup of flour, and 2/8 cup of brown sugar. How much sugar, flour, and brown sugar does Erika need in all? While collecting ingredients, Erika notices that she only had 6/8 cup of sugar. How much sugar does Erika need to buy to make her cake?

You have 6 bags of candy to use for party favors. You put 1/3 of a bag of candy in each party favor. How many party favors can you make?

Mrs. Dustman has been busy wrapping presents for Addison's first birthday. She has 56 presents to wrap and each present needs 1/10 of a roll of tape. How much tape does Mrs. Dustman need to wrap Addison's presents?

Mrs. Dustman is going to have 24 people over to her house for Addison's first birthday. If she wants to give each person ¼ of a sandwich, how many sandwiches does she need to make?

There are ___ cakes. ___ children are sharing them so that each child gets the same amount. How much cake can each child have? (5, 6) (3, 5) (9, 12) (1 ½, 2) (3.6, 6)

Nona uses 1/3 cup of sunflower seeds to make a loaf of bread. How many loaves of bread can she make with 6 1/3 cups of sunflower seeds?

Cassie loves Girl Scout cookies and her mom always buys a lot to last them throughout the year. Cassie's mom bought ___ boxes of cookies. To make them last, Cassie decided that she will only eat 0.1 of a box each day. How many days will the cookies last? (10) (34) (55) (100)

Molly loves to drink sports drinks, but she always gets in trouble because she doesn't finish the bottle and leaves them sitting out. Today Molly's mom found 2 unfinished bottles that Molly left out. Molly finished 2/3 of one bottle and 1/5 of the other bottle. How much sports drink did Molly drink all together?

The fifth grade students raised half of the total amount of funds raised by the entire school during the fall fundraiser. One fourth of the funds raised by the fifth graders came from Mr. Johnson's class.

A) What fraction of the total amount of funds raised by the entire school came from Mr. Johnson's class?
B) If the school raised $800, how much money did the fifth graders raise? How much money did Mr. Johnson's class raise?

I have ___ of a bag of mulch to put in my garden. Each bag weighs ___ pounds. How much mulch in pounds do I have? (1/4, 12) (3/4, 12) (1/4, 9) (3/4, 9)

You have ¼ bag of candy. Each bag of candy weighs 12 4/5 pounds. How many pounds of candy do you have?

You have ¾ bag of candy. Each bag weighs 16 8/9 pounds. How many pounds of candy do you have?

Essential oils come in vials with 3.99 ounces. You want to put them into 10 smaller vials. How much essential oil will go in each vial?

There were 4.5 cookies left over after a Christmas party. Three friends wanted to share the cookies. If each friend got the same amount, how much cookie would they each get?

I bought a bottle of bubbles that comes in bottles of 5.46 ounces. I want to put the bubbles into 10 smaller bottles so that Addison doesn't use them all at once. How much bubbles will be in each bottle?

Amy had___ ice cream sandwiches. She ate ___ of them. How many ice cream sandwiches did she eat? (8, ¼) (9, ¼) (8 4/5, ¼)

Mrs. Dustman has 1,392 cups of sweet tea to serve at a fun run. She gives each person 0.1 of a cup. How many people can Mrs. Dustman serve?

There are ___ students in Mr. Jones' art class. Mr. Jones is planning a project where each student will need ___ jars of paint. How much paint will Mr. Jones need all together? (15, 10) (15, .1) (25, .3)

7 4/5 pizzas were left over from a birthday party. Three friends wanted to share them so that they each get the same amount. How much pizza will each friend get?

The pet store sells bags of bird food that weigh 3/8 of a pound. If the pet store has 3 ¾ pounds of bird food, how many bags of bird food can they make?

4 children want to share 3 2/3 cookies. How much cookie would each child get?