

# Riddle

Name \_\_\_\_\_

What do you get if you cross a tape measure  
with a steamroller?

To solve the riddle, complete each of the following problems. Then write the corresponding letter on the line in front of each problem. Read the letters from top to bottom and they will spell out the solution to the riddle.

\_\_\_\_\_  $2\frac{1}{4} + 3\frac{1}{2} =$  \_\_\_\_\_

\_\_\_\_\_  $2\frac{2}{3} + 1\frac{2}{3} =$  \_\_\_\_\_

A  $7\frac{1}{3} - 2 =$   $5\frac{1}{3}$

\_\_\_\_\_  $8\frac{1}{3} - 3\frac{1}{12} =$  \_\_\_\_\_

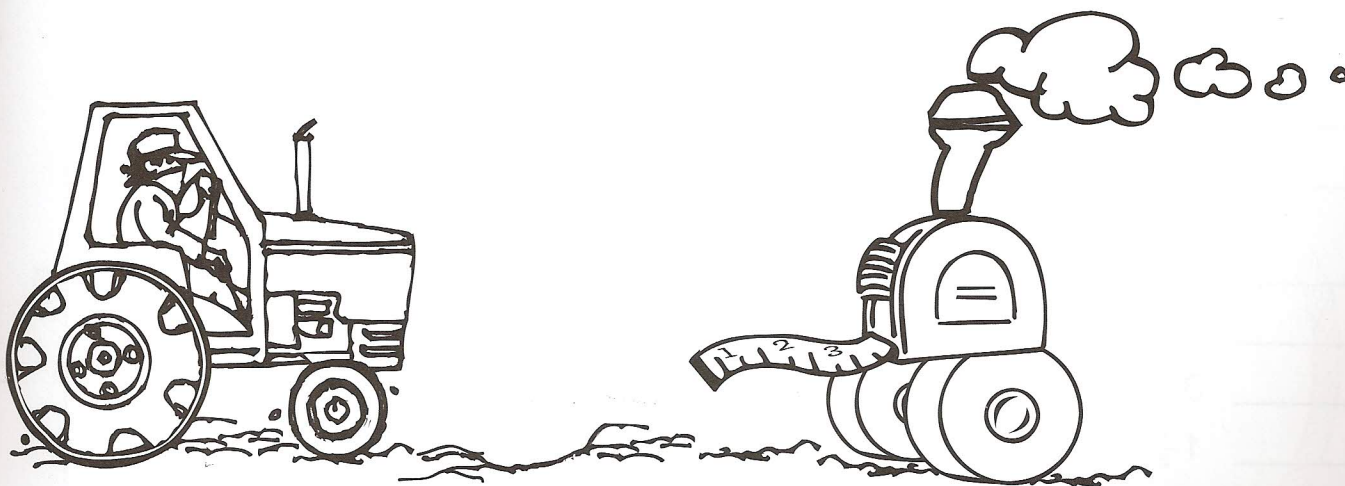
\_\_\_\_\_  $2\frac{1}{3} + 3\frac{5}{12} =$  \_\_\_\_\_

\_\_\_\_\_  $2\frac{1}{4} + 2\frac{1}{4} =$  \_\_\_\_\_

\_\_\_\_\_  $6\frac{1}{3} - 1\frac{5}{6} =$  \_\_\_\_\_

\_\_\_\_\_  $9\frac{3}{4} - 4\frac{1}{2} =$  \_\_\_\_\_

$5\frac{1}{3}$	<b>A</b>
$4\frac{1}{2}$	<b>E</b>
$5\frac{3}{4}$	<b>F</b>
$4\frac{1}{3}$	<b>L</b>
$5\frac{1}{4}$	<b>T</b>



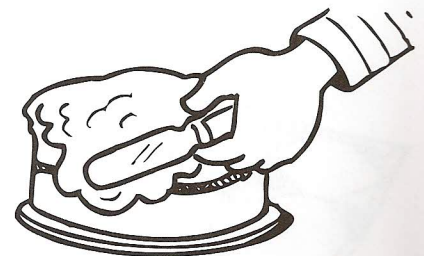
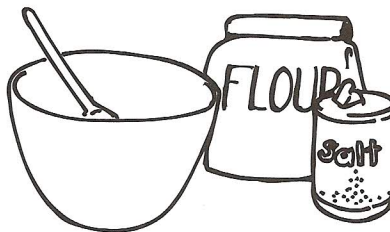
Demonstrate addition and subtraction of fractions including mixed numbers and unlike denominators

# Cooking in the Kitchen

Name \_\_\_\_\_

Solve each problem.

1. Jimmy is baking a cake. The recipe calls for a total of  $1\frac{1}{2}$  cups of sugar. One of the first steps asks him to put  $\frac{1}{4}$  cup of sugar into the bowl. Then later on, he is supposed to put the rest of the sugar in, but he doesn't know how much to put in. How much sugar is left to put in at the end?  
\_\_\_\_\_
2. Suzanne is making a batch of cookies. She is trying to figure out how big of a bowl she needs. She knows the recipe calls for  $2\frac{1}{2}$  cups of flour,  $1\frac{1}{2}$  cups of sugar,  $1\frac{1}{4}$  cups of butter,  $\frac{1}{2}$  cup of peanut butter, and about  $\frac{2}{3}$  cup of other stuff. How many cups of ingredients does she need her bowl to hold?  
\_\_\_\_\_
3. Ian is baking cookies, and he made 18 cookies from the first  $2\frac{1}{2}$  cups of the batter. If he started with 10 cups of batter, how much batter is left? How many cookies will he be able to make from the 10 cups of batter?  
\_\_\_\_\_
4. Brandon is making pancakes. He made 4 pancakes from the first  $\frac{3}{4}$  cup of batter. He started with  $2\frac{1}{2}$  cups of batter. How much batter does he have left?  
\_\_\_\_\_
5. Julie is making some brownies and has just a little oil left. The recipe calls for  $1\frac{1}{3}$  cup of oil. She has only  $\frac{3}{4}$  cup of oil. She is going to substitute applesauce for the remaining oil. How much applesauce does she need to add to her recipe?  
\_\_\_\_\_



Demonstrate addition and subtraction of fractions including mixed numbers and unlike denominators

# Tongue Twister #3

Name \_\_\_\_\_

Complete each of the following multiplication problems. Then write the corresponding letter on the line in front of the problem. The letters will spell out a tongue twister. How many times can you say it in 15 seconds?

<u>      </u> S	$\frac{1}{4} \times 2 =$	<u>      </u> $\frac{1}{2}$
<u>      </u>	$\frac{2}{7} \times 3 =$	<u>      </u>
<u>      </u>	$2\frac{1}{2} \times \frac{1}{4} =$	<u>      </u>
<u>      </u>	$\frac{1}{6} \times 2 =$	<u>      </u>
<u>      </u>	$\frac{2}{11} \times 5 =$	<u>      </u>
<u>      </u>	$\frac{2}{7} \times 2 =$	<u>      </u>
<u>      </u>	$1\frac{1}{4} \times \frac{1}{2} =$	<u>      </u>
<u>      </u>	$\frac{3}{5} \times \frac{5}{6} =$	<u>      </u>
<u>      </u>	$\frac{1}{3} \times \frac{1}{3} =$	<u>      </u>
<u>      </u>	$\frac{4}{5} \times \frac{5}{8} =$	<u>      </u>
<u>      </u>	$1\frac{1}{2} \times \frac{1}{2} =$	<u>      </u>
<u>      </u>	$\frac{3}{5} \times 1\frac{1}{2} =$	<u>      </u>
<u>      </u>	$\frac{1}{5} \times 1\frac{2}{3} =$	<u>      </u>
<u>      </u>	$\frac{1}{3} \times \frac{2}{3} =$	<u>      </u>

$\frac{3}{4}$	<b>A</b>
$\frac{1}{3}$	<b>C</b>
$\frac{2}{9}$	<b>E</b>
$\frac{4}{7}$	<b>F</b>
$\frac{1}{9}$	<b>H</b>
$\frac{5}{8}$	<b>I</b>
$\frac{6}{7}$	<b>P</b>
$\frac{1}{2}$	<b>S</b>
$\frac{9}{10}$	<b>U</b>
$\frac{10}{11}$	<b>Y</b>

Demonstrate multiplication of fractions including mixed numbers

# Tim's Painting

Name \_\_\_\_\_

Tim is painting several different surfaces and needs to know the area needing paint so that he can buy the correct amount of paint. For each of the following rectangles, multiply the length by the width to find the area needing paint.

1. Tim wants to paint one side of a door that is  $6\frac{1}{4}$  feet tall and 3 feet wide. What is the area of the door?

\_\_\_\_\_

2. Tim wants to paint a tabletop that is  $6\frac{2}{3}$  feet by  $3\frac{3}{4}$  feet. What is the area of the tabletop?

\_\_\_\_\_

3. Tim wants to paint a sign with dimensions of 20 inches by  $14\frac{1}{2}$  inches. What is the area of the sign?

\_\_\_\_\_

4. Tim wants to paint a shelf in his bedroom. The top of the shelf measures  $\frac{3}{4}$  foot by  $2\frac{2}{3}$  feet. If he paints the top and the bottom of the shelf, what is the total area to be painted?

\_\_\_\_\_

5. Tim wants to paint the ceiling in his bedroom. The room is rectangular in shape. The length of the room is  $13\frac{1}{2}$  feet and the width is  $10\frac{2}{3}$  feet. What is the area of the ceiling to be painted?

\_\_\_\_\_



Demonstrate multiplication of fractions including mixed numbers

# What Must You Pay When You Go to School?

Name \_\_\_\_\_

Complete each division problem below and simplify the answer. Then write the corresponding letter on the line in front of the problem. The letters will spell out the solution to the riddle when read from top to bottom.

\_\_\_\_\_  $\frac{1}{3} \div 1 =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{1}{4} \div \frac{1}{2} =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{2}{5} \div \frac{4}{5} =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{3}{4} \div 3 =$  \_\_\_\_\_

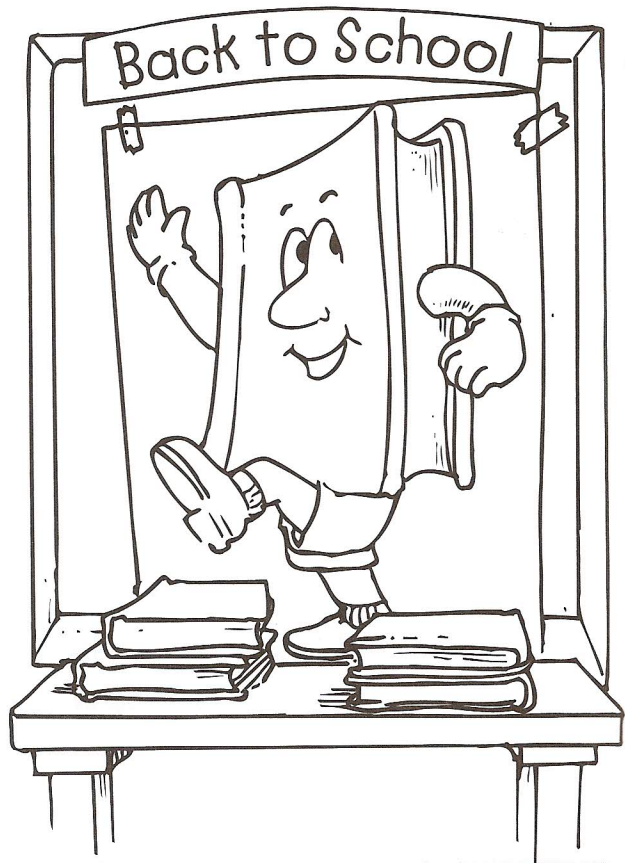
\_\_\_\_\_  $\frac{1}{3} \div \frac{5}{6} =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{1}{2} \div 1 =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{2}{5} \div \frac{3}{5} =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{1}{2} \div \frac{2}{3} =$  \_\_\_\_\_

\_\_\_\_\_  $\frac{1}{4} \div \frac{5}{8} =$  \_\_\_\_\_



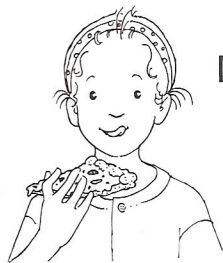
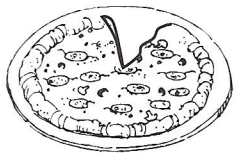
$\frac{1}{3}$	<b>A</b>	$\frac{2}{5}$	<b>N</b>
$\frac{1}{4}$	<b>E</b>	$\frac{3}{4}$	<b>O</b>
$\frac{2}{3}$	<b>I</b>	$\frac{1}{2}$	<b>T</b>

Demonstrate division of fractions including mixed numbers

# Pizza Parlor

Name \_\_\_\_\_

Solve each problem.



1. Tim has one-half of a pizza that he wants to divide equally between two people. Draw a picture of this problem and tell how much pizza each will get. Write the math sentence that goes with the problem.

\_\_\_\_\_

2. George has three-fourths of a pizza. He is going to divide it into six equal pieces. Draw a picture of this problem and tell how much of the whole pizza each slice will be. Write the math sentence that goes with the problem.

\_\_\_\_\_

3. Kelley has two whole pizzas. She is going to divide all of the pizzas into pieces that are one-third of a whole pizza. Draw a picture of this problem and tell how many pieces she can make. Write the math sentence that goes with the problem.

\_\_\_\_\_

4. Linda has five and one-third pizzas. She is going to divide them between some people who each request one and one-third pizzas. Draw a picture of this problem and tell how many one and one-third pizzas she can make. Write the math sentence that goes with the problem.

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Demonstrate division of fractions including mixed numbers