

Math at Home

REM 598B

A TEACHING RESOURCE FROM...



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Introduction

Math plays a vital role in everyone's life on a daily basis and in a variety of situations. *Math at Home* presents various familiar, everyday occurrences where math is needed to find answers to questions about the activity. The word problems based on real-life situations help students understand the practical application of math as they decide whether to add, subtract, multiply, or divide to solve the problems. Simple fraction or percent computations are also required in some of the exercises.

While honing math skills, students will enhance their abilities to comprehend, think logically, and make orderly decisions as they complete the lessons in this book.

This book is designed for use in grades 4 – 12. Readability is on the 3rd – 4th grade level.

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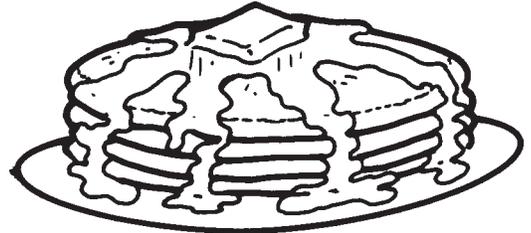
Name _____

BREAKFAST - A GREAT START!

1. To make six pancakes, you need 1 cup of pancake mix and $\frac{3}{4}$ cup of water.
How much will you need to make 12 pancakes?

_____ cups of pancake mix _____ cups of water

2. There are 120 calories in one cup of dry cereal.
By adding $\frac{1}{2}$ cup whole milk, you get 190
calories in the bowl of cereal.



- a) How many calories in $\frac{1}{2}$ cup whole milk?

- b) $\frac{1}{2}$ cup skim milk contains 40 calories. How many calories do you save by
using skim milk instead of whole milk? _____

3. Alex is baking a cake. He put the cake in the oven at 2:20 p.m. He set the
timer for 55 minutes. What time will it be when the timer buzzes? _____

4. You have a 2-quart container of orange juice. There are 4 cups in a quart.
How many $\frac{1}{2}$ cup servings in 2 quarts? _____

5. You have 8 slices of bacon and a dozen eggs. You need 3 eggs per person to
make an omelet.

- a) For how many people can you make omelets with a dozen eggs? _____

- b) How many slices of bacon will each person get? _____

6. A pound of bacon costs \$2.59. A dozen eggs costs \$1.17.

- a) If you cook all this for a family of four, how much does it cost to feed each
person? _____

- b) It costs \$2.95 a person for bacon and eggs at a restaurant. How much can
a family of four save by eating at home? _____

Name _____

MAKING MONEY

1. Pete is paid 50 cents a day to take out the trash and feed the dog. How much will he earn in four weeks? _____
2. Sally receives \$5.00 a week for allowance. She is saving to buy a pair of roller blades that cost \$45.00. How many weeks must she save? _____
3. Nancy earns \$2.00 an hour babysitting. She babysat on Saturday from 7:00 p.m. to 11:30 p.m. How much did she earn? _____
4. Dennis mows and trims lawns for \$3.50 an hour. It took him 3 hours to do Mr. Wilson's lawn. How much did he earn? _____
5. Bart delivers 180 newspapers in 3 hours. How many papers an hour does he deliver? _____
6. Eric earns two cents for each paper he delivers. He delivers 75 papers a day, 7 days a week. How much will Eric earn in a week? _____
7. Liz earned \$12.00, \$7.50, \$3.50, and \$9.00 babysitting. She charges \$2.00 an hour. How many hours did Liz babysit? _____
8. Josh earns \$2.00 an hour for yard work and \$1.00 an hour for walking the neighbor's dog. This week, Josh did 8 hours of yard work and walked the dog $3\frac{1}{2}$ hours. How much did Josh earn altogether? _____



Name _____

PIZZA PARTY

- 12 people are at the party. Each pizza has 8 slices. How many pizzas will be needed to give each guest 2 slices? _____
- A six-pack of soda costs \$1.59. Mrs. Johnson bought 24 cans of soda. How much did the soda cost? _____
- A large cheese pizza costs \$7.95. There is a 50¢ charge for each additional item. How much for a large pizza with pepperoni, mushrooms, and onions?

- You have \$50.00. Pizzas cost \$28.00 and soda was \$7.65. How much money is left? _____
- Three people are sharing the cost of the party. You buy 3 pizzas at \$12.25 each and 1 case of pop at \$6.00. How much will each person have to pay?

- You have a coupon for pizza — buy one at full price and get a second for half price. You order a deluxe pizza that costs \$13.95 and another at half-price with the coupon. How much will they cost? (Round your answer to the nearest cent.) _____
- You order two supreme pizzas at \$14.95 each, one pepperoni at \$8.95, and one sausage at \$8.95. You give the delivery man a \$4.50 tip.
 - How much did you spend? _____
 - You gave the pizza man three \$20 bills. How much change? _____
- Six friends are chipping in for pizza. Each person has \$4.00. The Pizza Palace has a special offer. Buy the first pizza at the regular price of \$8.99, and get extra pizzas at \$4.00 each. How many pizzas can the six friends buy?

