

Everyday Math

REM 598F

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. *Everyday Math* presents 27 different kinds of ordinary activities where math is needed to find answers to questions about the activity.

Students gain an appreciation for the value of math in everyday living as they decide whether to add, subtract, multiply, or divide to solve word problems. Other math skills included in some exercises involve fractions, decimals, percents, and measurement.

A review page tests students' retention of the various math concepts practiced 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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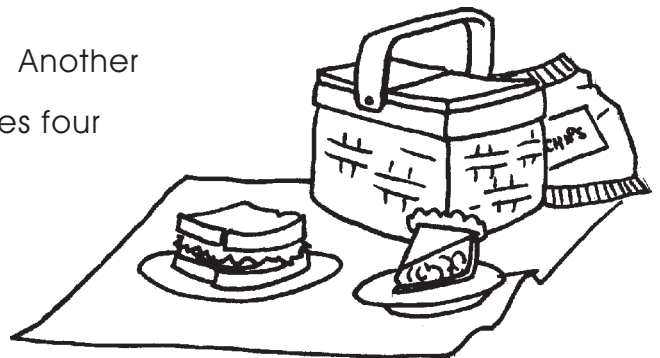
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Name _____

THE WEBSTERS' PICNIC

1. Fifty-six members of the Webster family are getting together for a picnic. If eight people sit at one picnic table, how many tables are needed? _____
2. Sara Webster will make potato salad. She will make enough so each person can have $\frac{1}{2}$ pint. How many quarts will she make? _____ How many gallons is that? _____
3. Kevin Webster will bring hamburgers to grill. There are four patties per pound. He buys 28 pounds. How many patties? _____
How many hamburgers per person is that? _____
4. Grandma Webster will bake six apple pies. Six apples make one pie. How many apples will she peel? _____ Each pie will be cut into eight slices. How many pieces of pie? _____
5. Cousin Charlie will bring a 48-foot rope for a tug-of-war contest. If two feet of rope are allowed for each person, how many people can be on each team?

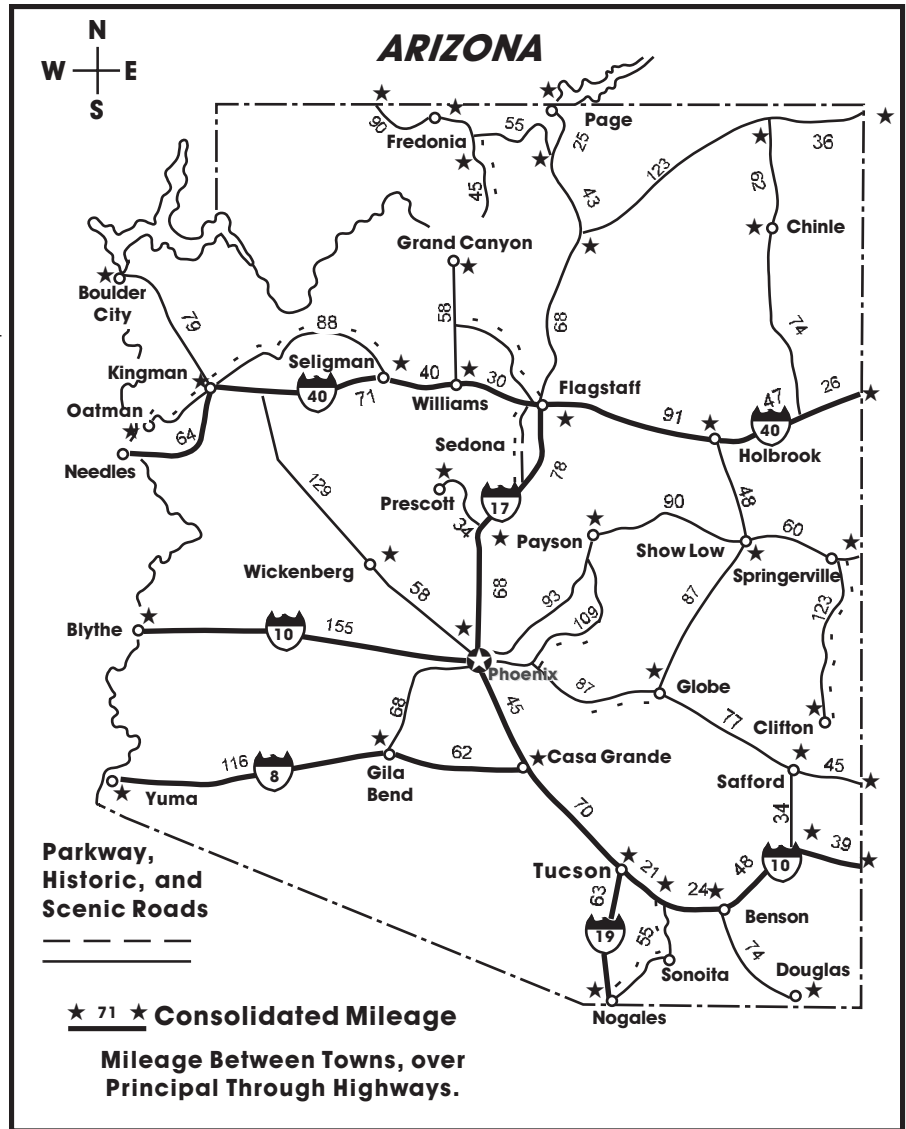
6. Lemonade will be served in eight-ounce cups. One pint equals 16 ounces. How many cups of lemonade in five gallons? _____
7. One family travels 28 miles to the picnic. Another family travels 57 miles. A third family drives four miles, and another 63 miles. Altogether, how many miles do these families travel to the picnic? _____



Name _____

HOW FAR IS IT?

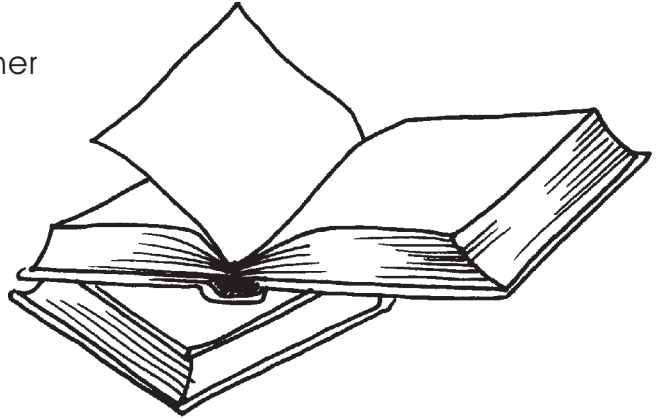
1. Yuma is near the southwestern border of Arizona. How many miles is it from Yuma to Phoenix? _____
2. How far north would you drive from Phoenix to Flagstaff? _____
If you went on to the Grand Canyon, how much farther? _____
3. If you followed Route 40 from Needles to the eastern border of Arizona, how many miles would you travel? _____
4. From Payson to Springerville is how far? _____ If you averaged 50 m.p.h., how long would it take to get there? _____
5. A trip from Page on the northern border to Chinle would be how many miles? _____



Name _____

GETTING IT DONE

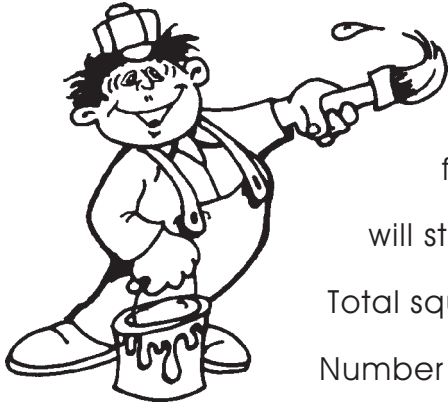
1. It is 6:00 p.m. You have just finished dinner and it's time to start your homework. Your bedtime is 9:00 p.m. How much time do you have to get it finished?



2. You start to read a 10-page chapter in your social studies book. At 6:20 p.m., your friend calls on the phone. You talk for 20 minutes. What time is it now?
- _____
3. So far, you have read five pages of the 10-page chapter. How much longer should it take you to finish? _____
4. Your favorite TV program comes on at 7:00 p.m. You decide to watch it. It lasts for half an hour. It is now what time? _____
5. You have 20 math problems to do. If it takes an average of two minutes for each problem, how much time will you spend doing math? _____ What time will it be then? _____
6. You have to make an outline for a science report you will write in class tomorrow. How much time do you have before bedtime? _____
7. You completed the outline at 8:53 p.m. Altogether, how much time did you spend doing homework? _____

Name _____

HOME IMPROVEMENT



1. Mr. Carver's redwood fence needs a new coat of stain. One gallon of redwood stain covers 400 square feet. The fence is eight feet high and 150 feet long. He will stain both sides of the fence.

Total square feet of fence to be stained = _____

Number of gallons needed = _____

2. Juanita will build three shelves in her storage closet. The closet is $4\frac{1}{2}$ feet long, $3\frac{1}{2}$ feet deep, and eight feet high. The shelves will be on the longest wall. How many feet of shelving should Juanita buy? _____

3. The Wilsons want to tile their kitchen floor. The floor is 12 feet by 15 feet. The tiles are nine-inch squares.

12 feet = _____ inches

15 feet = _____ inches

Total square inches of floor = _____

One tile = _____ square inches.

Number of tiles needed = _____

4. Roberto is putting a fence around his pool. The pool is 50 feet long and 35 feet wide. The fence will be nine feet away from the pool on all sides. How many feet of fence is Roberto installing? _____

5. The Taylors are reroofing their house. Altogether, the roof is 3,015 square feet. How many square yards is that? _____

Name _____

WEATHER AROUND THE U.S.A.

Saturday, September 30, 1995



	Hi	Lo	Prc		Hi	Lo	Prc		Hi	Lo	Prc
Albany, NY	66	32		Des Moines	69	63	1.32	Milwaukee	74	56	
Amarillo	85	59	.03	El Paso	85	59		Mpls./St.Paul	69	63	.52
Anchorage	50	47	.26	Eugene	65	51	.14	New Orleans	87	64	
Austin	89	67		Evansville	85	50		New York City	70	51	
Baltimore	73	55		Fairbanks	54	39		Norfolk, VA	75	67	.04
Baton Rouge	90	64		Fargo	68	59	1.55	North Platte	74	62	.12
Birmingham	81	59		Grnd. Junction	63	49	.33	Okla . City	86	71	
Bismarck	74	57	.03	Grand Rapids	77	48		Omaha	78	67	.63
Boise	64	48	.12	Great Falls	62	38		Orlando	89	73	.04
Boston	60	46		Hartford	68	35		Palm Springs	92	63	
Brownsville	90	71		Helena	63	41	.04	Philadelphia	73	56	
Buffalo	80	44		Honolulu	90	77	.24	Phoenix	87	72	
Caribou	58	28		Houston	89	65		Portland, OR	67	56	.12
Casper	57	45	.27	Jacksonville	83	69		Rapid City	69	59	
Charlotte	76	56		Janeau	53	48	.13	Reno	65	42	
Cheyenne	59	46	.08	Kansas City	81	65	.38	Salt Lake City	51	45	1.01
Chicago	80	58		Knoxville	79	55		San Antonio	84	67	
Cincinnati	81	52		Las Vegas	82	62		Sioux City	74	67	.18
Colo.Springs	64	47	.04	Los Angeles	73	60		Sioux Falls	74	66	.30
Columbus, GA	84	64		Lubbock	85	61	.21	Spokane	62	44	.25
Concord, NH	64	27		Memphis	85	63		Tallahassee	87	68	
Corpus Chr.	90	72		Miami	89	74		Topeka	84	69	.05
Dallas	90	70		Midland	91	64		Wichita	87	66	.37
Dayton	80	51		Mobile	87	64		Wichita Falls	90	71	

1. How many degrees difference between the high temperature in Palm Springs, CA, and the low temperature in Concord, NH? _____
2. The temperature in Des Moines, IA, did not change much on Friday. What was the difference between the high and low readings? _____
3. In which city did it rain the most? _____
In what state is it? (Use a dictionary for help.) _____
4. Find the average high and low temperatures in the state of Texas. Use these city readings: Amarillo, Austin, Brownsville, Corpus Christi, Dallas, El Paso, Houston, Lubbock, Midland, and San Antonio.

Average high _____ Average low _____

5. What was the total rainfall for all the cities on the list? _____ inches