Lesson 1 Problem-Solving Practice

Using the Percent Proportion

1. A local Mothers group conducted a survey of 1074 youths age 19 and under about	 2. The table shows the recent number of curbside recycling programs in four geographical regions of the United States. Curbside Recycling Programs Region Number Northeast 3421 South 1677 		
chores. 66% of those surveyed said they do			
not clean their rooms because they do not like to. How many of the 1074 youths gave		3421	
that response?		1677	
	What percent of the	country's recycling West 1034	
	country's recycling programs are in the Midwest?West1034Total9704		1034
		Total	9704
 3. A recent Boston Mayor's Cup race boasted the largest number of finishers in the history of the event with 825 finishers. 290 of the finishers were from the youth division. What percent of the finishers were not from the youth division? Round your answer to the nearest tenth. 	4. Trevor received a score of studies test. If he answere questions correctly, how received on the test?	ed 24 of the many ques	e stions
5. The U.S. Food and Drug Administration requires food packagers to provide nutritional information about the food in the packaging. The label shown is from a small package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of the package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of the package of the package of the package of chicken tenderloins, brown rice, and mixed vegetables. Image: Contrainer of the package of the package of the package of the package of the daily value recommended for a 2000-Calorie diet. How many grams of fat are recommended for a 2000-Calorie diet?	6. Refer to the label shown i potassium in the package recommended daily value recommended daily value	e is 14% of e. What is	the the

Lesson 2 Problem-Solving Practice

Find Percent of a Number Mentally

1. The state of Pennsylvania covers almost 29 million acres. Of the total acreage, about 53% is forest land. About how many acres of forest land are in the state of Pennsylvania?		acreage, ut how many	2. In a recent year, there were 320 endangered mammals in the world. About 75% of these mammals reside outside of the United States. About how many endangered mammals are not in the United States?		
bean bag so th region. Which the best chanc	low represent t oject of the gan at it lands on a game board gi e of throwing a n a shaded regio	ne is to toss a shaded ves a player bean bag so	4. Sydney has \$20 and wants to buy a CD of her favorite group. She finds a two-disc set of greatest hits that costs \$18.99. The sales tax in her state is 5%. Does she have enough money to buy the CD? Explain.		
5. The table shows the total area of eight states in square miles and the area of the			6. Refer to the table in Exercise 5. Which		
_	e miles and the vered by water.		state has about one-third of its area covered by water?		
State	Area of state (square miles)	Water Area (square miles)			
Michigan	96,716	39,912			
Hawaii	10,931	4508			
Rhode Island	1545	500			
Massachusetts	10,555	2715			
Delaware	2489	536			
Maryland	12,407	2633			
Florida	65,755	11,828			
Wisconsin	65,498	11,188			
Florida	65,755 65,498	11,828			