Name:	Date:	Class:

The Tricky Proportion / Rate Word Problem Challengel

Use proportions to solve problems 5 - 8 below:

5. The ratio of cups of flour to cups of cooking oil in a cake mix is 3:8. The ratio of cups of cooking oil to cups of water is 6 to 5. There are $\frac{3}{4}$ cups of flour required. How many cups of water are required?

6. If the ratio of students with green shirts to total students in a class is 3 to 8, and are 12 students wearing green shirts, how many are there without green shirts?

7. At Betty's Bouncing Baby Care, the ratio of really dirty diapers to mildly dirty diapers used is 4 to 10. If there were 28 really dirty diapers used on a particular day, how many total diapers were used?

8. Assume the ratio of really dirty diapers to mildly dirty diapers at Betty's remains at 4 to 10. If there are 308 total diapers used in a 3-day period, how many of them are really dirty?

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IN	ame:		Date: _		Class:	_
don't	t know which one	ems are tricky, sor s are tricky! Follo	ne are not. This mal w the instructions f	or the problems belo	Challenge! ems even trickier, since yow. Show all your work. proportion masters!	you
<u>Us</u>	e proportions	s to solve probl	<u>ems 1 - 4 belov</u>	<u>v:</u>		
1.	One day, Far chickens to e	mer Brown cour eggs is 7:12. If	nts his chickens o there are 77 chi	nd his eggs. He ckens, how many	finds the ratio of eggs are there?	
2.	The ratio of If there are	laptop compute 40 desktop con	rs to desktop cor nputers, how man	nputers at a mide ly computers are	dle school is 8 to 5. in the school?	
3.	brownies is 5 of the number	i to 8. A partic er of walnuts, m	ular batch of bro ilk chocolate chip	n a recipe for ch wnies has 35 wal os, and white cho s are there in th	nuts in it. The sum colate chips in this	

4. If the average tween complains about 13 things every two hours, how many hours will it take to reach 195 complaints?