

Name: _____

Date: _____

Class: _____

The Tricky Proportion / Rate Word Problem Challenge!

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?

