Name _____ Period _____ Date _____

Rates, Ratios, and Proportions Quiz Study Guide

Write each ratio as a fraction in simplest form.

1. 7th-grade boys to 6th-grade boys _____
2. 7th-grade girls to 6th-grade boys _____
3. 7th graders to 6th graders _____
4. boys to girls _____
5. girls to all students _____

	Boys	Girls
7th Grade	26	34
6th Grade	30	22

Solve each proportion.

10. $\frac{4}{r} = \frac{5}{20}$ r =

11. $\frac{2}{9} = \frac{6}{k}$ k =

12. $\frac{h}{35} = \frac{3}{7}$ h =

13. $\frac{2.7}{3.0} = \frac{3.6}{x}$ x =

Set up a proportion to solve.

14. You can peel 4 potatoes in 10 minutes. How long will it take you to peel 14 potatoes?

15. You can read 45 pages of your new book in 2 hours. How many pages can you read in 3 hours?

16. Nine out of ten students prefer math class over lunch. How many students do not prefer math if 200 students were asked?

17. You estimate that you can do 12 math problems in 45 minutes. How long should it take you to do 20 math problems?

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