Lesson 7.1 Practice: Ratios

School Launch · Pre-Algebra · Unit 7: Ratios, Rates and Proportions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Write the ratio $6 : 8$ in simplest form. EASY

2. Write the ratio $16 : 8$ in simplest form. EASY

3. Write the ratio $30 : 5$ in simplest form. EASY

4. Write the ratio $8 : 2$ in simplest form. MEDIUM

5. Write the ratio $9 : 54$ in simplest form. MEDIUM

6. Write the ratio $36 : 81$ in simplest form. MEDIUM

7. Write the ratio $56 : 63$ in simplest form. MEDIUM

8. A flock of 80 sheep has white and black sheep in the ratio $1 : 9$. How many black sheep are there? HARD

9. A flock of 104 sheep has white and black sheep in the ratio $8 : 5$. How many black sheep are there? HARD

10. A flock of 36 sheep has white and black sheep in the ratio $4 : 5$. How many black sheep are there? HARD