Lesson 5.6 Practice: Operations with Rational Numbers

School Launch · Pre-Algebra · Unit 5: Integers and Rational Numbers · 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. Compute and simplify: $\left(\frac{9}{4}\right) - \left(\frac{5}{6}\right)$. EASY

2. Compute and simplify: $(4) - \left(\frac{2}{3}\right)$. EASY

3. Compute and simplify: $\left(\frac{8}{5}\right) - \left(\frac{7}{2}\right)$. EASY

4. Compute and simplify: $\left(-\frac{1}{5}\right) - \left(-\frac{9}{2}\right)$. MEDIUM

5. Compute and simplify: $\left(\frac{7}{5}\right) \times (-2)$. MEDIUM

6. Compute and simplify: $\left(\frac{8}{3}\right) - (1)$. MEDIUM

7. Compute and simplify: $\left(-\frac{9}{5}\right) + \left(-\frac{1}{5}\right)$. MEDIUM

8. Compute and simplify: $\left(\frac{9}{2}\right) - \left(\frac{3}{2}\right)$. HARD

9. Compute and simplify: $(1) \times \left(-\frac{7}{3}\right)$. HARD

10. Compute and simplify: $(-3) - \left(\frac{9}{5}\right)$. HARD