

Lesson 16 ~ Estimating Sums and Differences

Name _____ Period _____ Date _____

Estimate each decimal expression. Show all work.

1. $9.85 + 2.1 \approx$

2. $0.9 + 0.08 \approx$

3. $-0.54 + (-0.87) \approx$

4. $4.25 - 11.17 \approx$

5. $-3.88 - 7.7 \approx$

6. $0.62 - (-0.51) \approx$

7. Ethan bought a CD for \$12.95, a DVD for \$15.10 and a shirt for \$9.72. Approximately how much did he spend on his purchases?

8. A storm was coming to town. In the first hour, the temperature changed -2.8° F. In the next hour it changed -4.1° . In the third hour, the temperature change was -5.2° F. What was the approximate change in temperature over the last three hours?

Estimate each fraction expression. Show all work.

9. $\frac{9}{10} + \frac{7}{16} \approx$

10. $7\frac{3}{4} + 8\frac{1}{6} \approx$

11. $8\frac{4}{5} + (-3\frac{9}{10}) \approx$

12. $-\frac{7}{8} - \frac{1}{15} \approx$

13. $\frac{8}{17} - \frac{6}{13} \approx$

14. $-10\frac{1}{4} - 6\frac{1}{6} \approx$

15. Maria purchased four items in the bulk food section. She bought $1\frac{1}{6}$ pounds of oats, $3\frac{7}{8}$ pounds of flour, $4\frac{3}{16}$ pounds of sugar and $1\frac{7}{12}$ pounds of rice. Find the approximate weight of her purchases.