

Lesson 18 ~ Subtracting Rational Numbers

Name _____ Period _____ Date _____

Find each difference. Write your answer in simplest form.

1. $-\frac{4}{9} - \frac{1}{9}$

2. $\frac{1}{8} - \left(-\frac{1}{2}\right)$

3. $-4\frac{1}{2} - 1\frac{1}{4}$

4. $8 - 5\frac{2}{3}$

5. $-\frac{3}{4} - \left(-\frac{1}{3}\right)$

6. $2\frac{1}{6} - 3$

7. On a hike, William passed a sign that said his elevation was $20\frac{1}{2}$ feet above sea level. He hiked downhill for a while longer until his elevation had decreased by 28 feet. What is his new elevation?

8. Beth added $1\frac{1}{4}$ pounds of fruit to a fruit basket. Her son took $2\frac{3}{8}$ pounds of fruit out of the basket. What was the total change in pounds of fruit in the fruit basket?

Find each difference.

9. $6.2 - (-5.9)$

10. $-0.1 - 8.3$

11. $6.94 - (-12.5)$

12. $-0.208 - (-0.47)$

13. $-3.8 - 7.2$

14. $10 - 16.5$

15. Cory's checking account had \$75.10 on Thursday. One of her checks was cashed on Friday and her account went down to $-\$13.75$. What was the value of the check that was cashed?

16. The boiling point of krypton is -244.1°F . The melting point of krypton is -251°F . What is the difference between the boiling point and the melting point?