Pre-Algebra Worksheet U6-1

Name: _____ Date: _____

1. You are designing a Super Bowl cake. You must choose whether if will be a Steelers or Cardinals cake, whether it is round, rectangular, or in the shaper of a football, and whether the cake is white, chocolate, or yellow. How possible combinations are there?

2. You flip a coin, roll a 6-sided cube, and spin a spinner. The spinner is divided into 8 equal parts, labeled a, b, c, d, e, f, g, and h. Find the probability that you flip heads, roll an even number, and spin a vowel.

Add or subtract the following problems and reduce each answer to its lowest terms.

1. $\dfrac{2}{4} + \dfrac{1}{4} =$

2. $\dfrac{3}{8} + \dfrac{3}{8} =$

3. $\dfrac{5}{9} + \dfrac{1}{9} =$

4. $\dfrac{7}{15} + \dfrac{4}{15} =$

5. $\dfrac{5}{6} - \dfrac{1}{6} =$

6. $\dfrac{9}{12} - \dfrac{4}{12} =$

7. $\dfrac{18}{20} - \dfrac{16}{20} =$

8. $\dfrac{10}{14} - \dfrac{6}{14} =$

9. $\dfrac{15}{17} - \dfrac{5}{17} =$

Reduce each fraction to its lowest terms.

10. $\dfrac{12}{20}$

11. $\dfrac{14}{35}$

12. $\dfrac{16}{28}$

13. $\dfrac{25}{30}$

14. $\dfrac{90}{100}$

15. $\dfrac{22}{24}$