

Math 6
Assignment 8
April 23, 2017

Name and section: _____

1. Calculation. Make sure to simplify your final answers.

(a) $\frac{5}{2} \times \frac{4}{5} =$

(b) $\frac{7}{2} \div \frac{3}{5} =$

(c) $\frac{15}{2} \times \frac{4}{5} =$

(d) $\frac{6}{7} \div \frac{3}{14} =$

2. Solve the following equations for x.

(a) $5x + 11 = 26$

(b) $2x - 9 = 3$

(c) $7x + 8 = 15$

(d) $512x + 1024 = 1024$

3. After winning a team fight, Annie recalls to shop. She had a total of 550 gold. She bought a doran ring and some health potions. We all know that a doran ring costs 400 gold, and a potion costs 50 gold. How many health potions did Annie get?

4. There are some rabbits and chickens in a cage, we know that there are 16 feet (the organ below the legs, not the units of length), and 3 rabbits. How many chickens are there?

(Hint: a rabbit has 4 feet and a chicken has 2 feet).