6.EE.7: Worksheet

1. Solve the equation $p + \frac{1}{4} = 17$.

2. Solve the equation $\frac{1}{6}x = \frac{2}{3}$.

3. Solve the equation $0.5y = 0.2505$.

4. Solve the equation $w + \frac{4}{9} = \frac{16}{27}$.

5. Solve the equation $k + 0.22 = \frac{3}{5}$.

6. A group of 6 friends share an extra large pepperoni pizza. The pizza costs $24. If they split the bill evenly, write an equation and solve it to find out how much each person will pay.

7. Alonso and his pet llama traveled the desert at a speed of 3 miles per hour. If they traveled a total distance of 21 miles, write an equation and solve it to find how many hours they were wandering through the desert.

8. Thinking he's run out of eggs, Jim goes to the grocery store and buys a dozen of them. As soon as he gets back home, though, he realizes that he still has a few in his fridge. (The expiration date has faded... hopefully they're still good!) If Jim has 14 eggs total, write an equation and solve it to find the number of eggs Jim had in his fridge.

9. It took you five hours, but you panned a total of 2 ounces of gold while visiting Gold Country. You plan to give $\frac{1}{8}$ of an ounce to each of your friends as a souvenir. Write an equation and solve it to find the maximum number of friends that can receive gold souvenirs.

10. Carrie listened to the latest Taylor Swift album 3 times in a row. If it took her 2.75 hours to do it, write an equation and solve it to find the length of Taylor Swift's album.