# Unit Rates - Complex Fractions

**Simplify each complex fraction below:**

**1). 3/4 / 5/6**                    **2). 2/3 / 1/3**

**3). 4/7 / 6/5**

**Calculate a unit rate that involves a complex fraction:**

**4). It takes Mr. Hardin 1/2 of an hour to walk to the market 1 1/2  miles away.  What is his unit rate in miles per hour?**

**Find the unit rate for each scenario below:**

**5). 1/3 gallon per half hour, find gallons per hour**

**6). $3.00 per 6 fish, find price per fish**

**7). 3/4  cup of juice per 2/3 cup of sugar, find cup of juice per cup of sugar**

**8). $6 for the 5 feathers, find the price per a feather**

**9). John can sand 2.5 boats every 30 min.  How many boats can he sand in 1 hour?**

**10). Ki can skin 1/10 of a buffalo every 1/2 hour.  How much of the buffalo will be skinned in 3 hours?**

**11).  Mike has two fish tanks that leak water.  Fish tank A is losing 2/3 gallons of water every 1/4 hour.  Fish tank B is losing 3/4 gallons of water every 1/3 hour.  Which fish tank is losing water more rapidly?**

**12).  Steve can cut 1/4 of his deer in 1/2 hour.  If he cuts 4 deer all the same size, how long will it take him?**