

Unit Rates - Complex Fractions

Simplify each complex fraction below:

1). $\frac{3/4}{5/6}$

2). $\frac{2/3}{1/3}$

3). $\frac{4/7}{6/5}$

Calculate a unit rate that involves a complex fraction:

4). It takes Mr. Hardin $\frac{1}{2}$ of an hour to walk to the market $1\frac{1}{2}$ miles away. What is his unit rate in miles per hour?

Find the unit rate for each scenario below:

5). $\frac{1}{3}$ gallon per half hour, find gallons per hour

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

7). $\frac{3}{4}$ cup of juice per $\frac{2}{3}$ 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 $\frac{1}{10}$ of a buffalo every $\frac{1}{2}$ 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 $\frac{2}{3}$ gallons of water every $\frac{1}{4}$ hour. Fish tank B is losing $\frac{3}{4}$ gallons of water every $\frac{1}{3}$ hour. Which fish tank is losing water more rapidly?

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