Equivalent Fractions and Random Samples

1. Fill the boxes to make equivalent fractions.

$$\frac{7}{10} = \frac{\square}{30} \qquad \frac{21}{56} = \frac{\square}{8} \qquad \frac{24}{100} = \frac{6}{\square}$$

2. There is a bag filled with 30 squares. Some of the squares are yellow, the rest are green. You reach into the bag and randomly pick out 10 squares. 7 of the 10 squares you picked are yellow.

   Find the best scientific estimate for the total number of yellow squares in the bag.

Y	Y	Y	Y	Y	Y	Y	G	G	G