Fractions Word Problems #2   Name _____

1. If you pour $\frac{3}{4}$ gallon of milk into pitchers that can hold $\frac{3}{8}$ gallon, how many pitchers of milk can you fill?

2. Chelsea has 4 free hours of free time on Saturday. She would like to spend no more than $\frac{2}{3}$ of an hour on each activity. How many activities can she do during that time?

3. Frank had $\frac{1}{2}$ of the lawn left to mow. On Saturday, he mowed $\frac{2}{3}$ of what was left. What fraction of the entire lawn did Frank mow on Saturday?

4. Reaner Recycling collected $\frac{7}{4}$ ton of aluminum last Saturday. If $\frac{7}{8}$ ton of aluminum can be shredded each day, how many days will it take to shred what was collected?

Fractions Word Problems #2   Name _____Key_____

1. If you pour $\frac{3}{4}$ gallon of milk into pitchers that can hold $\frac{3}{8}$ gallon, how many pitchers of milk can you fill?

Splitting $\frac{3}{4}$ gallon into $\frac{3}{8}$ pitchers

$$\frac{3}{4} \div \frac{3}{8}$$

$$\frac{3}{4} \cdot \frac{8}{3} = \frac{8}{4} = \boxed{2 \text{ pitchers}}$$

2. Chelsea has 4 free hours of free time on Saturday. She would like to spend no more than $\frac{2}{3}$ of an hour on each activity. How many activities can she do during that time?

$$\frac{2}{3}$$

↳fit into 6 hours

$$6 \div \frac{2}{3} = \frac{3 \cancel{6}}{1} \cdot \frac{3}{\cancel{2}_1} = \frac{9}{1} = \boxed{9 \text{ activities}}$$

3. Frank had $\frac{1}{2}$ of the lawn left to mow. On Saturday, he mowed $\frac{2}{3}$ of what was left. What fraction of the entire lawn did Frank mow on Saturday?

$$\frac{2}{3} \text{ of } \frac{1}{2}$$

$$\frac{1\cancel{2}}{3} \cdot \frac{1}{\cancel{2}_1} = \boxed{\frac{1}{3} \text{ of the entire lawn}}$$

4. Reaner Recycling collected $\frac{7}{4}$ ton of aluminum last Saturday. If $\frac{7}{8}$ ton of aluminum can be shredded each day, how many days will it take to shred what was collected?

How many $\frac{7}{8}$ are in $\frac{7}{4}$

$$\frac{7}{4} \div \frac{7}{8}$$

$$\frac{{}^1\cancel{7}}{{}_1\cancel{4}} \cdot \frac{\cancel{8}^2}{\cancel{7}_1} = \frac{2}{1} = \boxed{2 \text{ days}}$$