**Lesson 3 Word-Problem Examples**

1. Each year, Aubrey donates  of her annual income to local charities. One-fifth of that amount goes to a charity that supports the artistic skills of area students. How much of her annual income goes to the charity supporting artistic skills?
2. Kevin cuts  off of the length of a log. Kenneth cuts  off of what is left. How much of the original log remains?
3. Matilda has  hours to finish three consulting projects. How much time may she spend on each project, if she plans to spend the same amount of time on each?
4. Monique spent $2.80 on  pounds of bananas. How much did she pay for each pound of bananas?
5. Manny has  cups of sugar to make pies. If each pie uses  cup of sugar, how many pies can Manny make?

**Lesson 3 Word-Problem Examples - KEY**

1. Each year, Aubrey donates  of her annual income to local charities. One-fifth of that amount goes to a charity that supports the artistic skills of area students. How much of her annual income goes to the charity supporting artistic skills?

$$\frac{1}{10}×\frac{1}{5}=\frac{1}{50}$$

$\frac{1}{50}$ *of Aubrey’s annual income goes to the charity that supports artistic skills.*

1. Kevin cuts  off of the length of a log. Kenneth cuts  off of what is left. How much of the original log remains?

$$1-\frac{3}{4}=\frac{1}{4}$$

$$\frac{1}{4}-\left(\frac{1}{8}\right)\frac{1}{4}=\frac{7}{32}$$

$\frac{7}{32}$ *of the original log remains.*

1. Matilda has  hours to finish three consulting projects. How much time may she spend on each project, if she plans to spend the same amount of time on each?

$$16\frac{3}{4}÷3=5\frac{7}{12}$$

*Matilda can spend* $5\frac{7}{12}$ *hours on each project.*

1. Monique spent $2.80 on  pounds of bananas. How much did she pay for each pound of bananas?

$$2.8÷3.5=.8$$

*Monique spent $0.80 on each pound of bananas.*

1. Manny has  cups of sugar to make pies. If each pie uses  cup of sugar, how many pies can Manny make?

$$5\frac{3}{4}÷\frac{1}{3}=17\frac{1}{4}$$

*Manny can make* $17\frac{1}{4}$ *pies.*