

Name _____

Date _____

Unit Rates with Speed and Price- Step-by-Step Lesson**Lesson 1 Unit Rate Problem:**

Sally is making pies. Sally took 2 hours to knead the dough. The dough contained 6 kilograms of flour. How long do you think it will take Sally to knead 36 kilograms of flour? Solve using unit rates.

**Explanation:**

Step 1) First we have to find the unit rate.

$$\frac{6 \text{ kilograms}}{2 \text{ hours}} = 3 \text{ kilograms per hour}$$

Step 2) Now we have to use the unit rate in the formula.

Time kneading dough = unit rate x hours worked

$$36 = 3 \times n$$

$$12 = n$$

Kneading 36 kilograms of flour took Sally 12 hours.

