

Prealgebra ~ Lesson 37

Work the following examples as you listen to the recorded lecture.

Proportions and Problem Solving

Set and solve the following proportion problems:

Example 1: It takes a word processor 30 minutes to type and check 4 pages. How long does it take her to type and check 22 pages?

Example 2: On an architect's blueprint, 1 inch corresponds to 8 feet. Find the length of a wall represented by a line $5\frac{1}{4}$ inches long on the blueprint.

Example 3: A survey reveals that 2 out of 3 people prefer Coke to Pepsi. In a room of 40 people, how many prefer Coke?

Example 4: A baseball player gets 3 hits every 8 times at bat. If he comes up to bat 40 times, how many hits would he be expected to get?