

Section 7.2 : Word Problems

EX: 2

An office supply company sells two types of fax machines. They charge \$150 for one of the machines and \$225 for the other. If the company sold 22 fax machines for a total of \$3900 last month, how many of each type were sold?

Ex: 3

A quilt maker sews both large and small quilts. A large quilt requires 8 yards of fabric while the small quilt requires 3 yards. How many of each size quilt did she make if she used a total of 90 yards of fabric to make 15 quilts?

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A landscape designer uses two types of gravel for walkways. The larger gravel weighs an average of 40 pounds per cubic foot and the smaller weighs an average of 48 pounds per cubic foot. In his truck, the designer has a 12-cubic foot load of gravel that weighs 520 pounds. Is there a mixture of small and large gravel in the truck? If so, how many cubic feet of each type of gravel are in the truck?

EX: 3

A toy maker produces wooden trains and wooden airplanes. Each train requires 3 ounces of paint and each airplane requires 5 ounces of paint. The toy maker has a gallon can of paint (64 ounces). If he wants to use it to paint 14 toys, how many of each can he paint?