

$$(\text{Amount \#1})(\text{Rate \#1}) + (\text{Amount \#2})(\text{Rate \#2}) = 325$$

$$(x)(.045) + (7000-x)(.05) = 325$$

$$.045x + 350 - .05x = 325$$

$$350 - 325 = .05x - .045x$$

$$25 = .005x$$

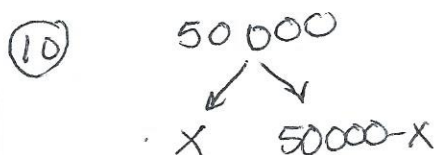
$$\frac{25}{.005} = x$$

$$x = \boxed{\$5000}$$

$$7000 - x = 7000 - 5000 = \boxed{2000}$$

Amount #1 \$5000 ✓

Amount #2 \$2000 ✓



$$(\text{Amounts \#1})(\text{dogwood rate}) + (\text{Amount \#2})(\text{RealMaple rate}) = (50000)(20\%)$$

$$(x)(.27) + (50000-x)(.17) = (50000)(.2)$$

$$.27x + 8500 - .17x = 10000$$

$$0.1x = 10000 - 8500$$

$$0.1x = 1500$$

$$x = \frac{1500}{.1}$$

$$x = 15,000$$

$$50000 - x = 50000 - 15000 = 35000$$

dogwood = \$15,000
 RealMaple = \$35000