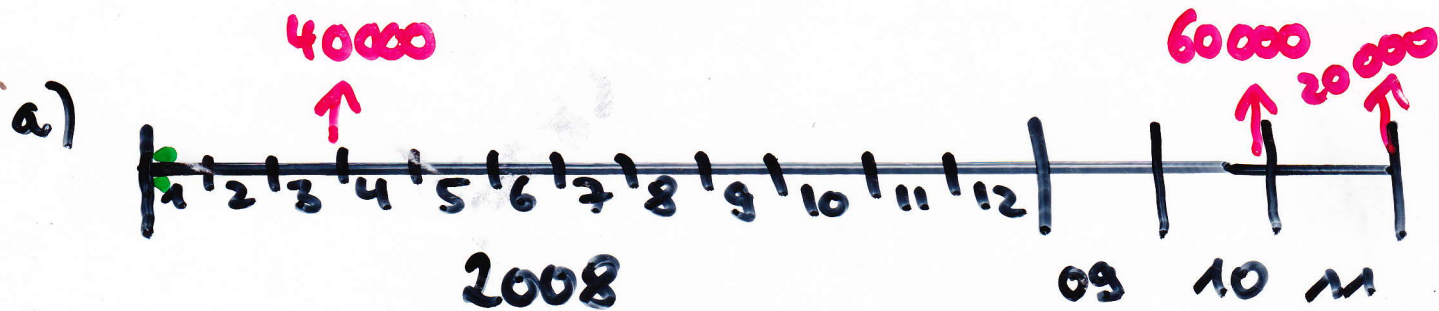
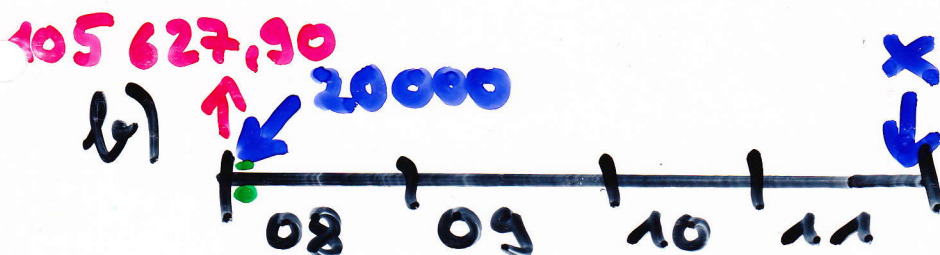


Aufgabe 6 (28.01.2008)



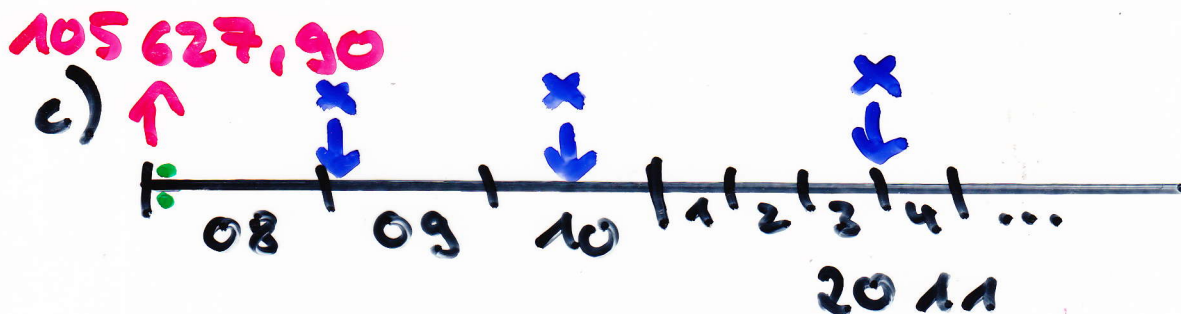
$$\frac{40\,000}{1 + \frac{3}{12} \cdot 0,06} + \frac{60\,000}{1,06^3} + \frac{20\,000}{1,06^4} = 105\,627,90$$



Schulden = Rückz.

$$105\,627,90 = 20\,000 + \frac{X}{1,06^4}$$

$$X = 108\,103,25$$



Schulden = Rückz.

$$105\,627,90 = \frac{X}{1,06} + \frac{X}{1,06^2 (1 + \frac{6}{12} \cdot 0,06)} + \frac{X}{1,06^3 (1 + \frac{3}{12} \cdot 0,06)}$$

$$X = 40\,091,05$$