

Question #112

Answer: A

$$1180 = 70\bar{a}_{30} + 50\bar{a}_{40} - 20\bar{a}_{30:40}$$

$$1180 = (70)(12) + (50)(10) - 20\bar{a}_{30:40}$$

$$\bar{a}_{30:40} = 8$$

$$\bar{a}_{\overline{30:40}} = \bar{a}_{30} + \bar{a}_{40} - \bar{a}_{30:40} = 12 + 10 - 8 = 14$$

$$100\bar{a}_{\overline{30:40}} = 1400$$