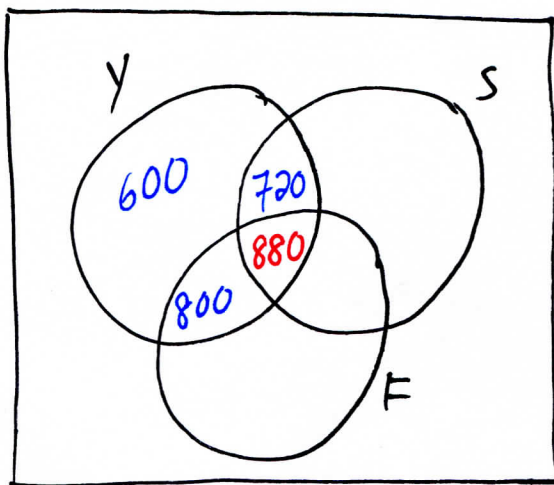


# SOA Exam P 005 (General Probability)

Let  $Y = \text{Young}$   
 $S = \text{Single}$   
 $F = \text{Female}$



$$1400 = 600 + Y \cap S^c \cap F$$

$$\Rightarrow Y \cap S^c \cap F = 800$$

$$1320 = 600 + Y \cap S \cap F^c$$

$$\Rightarrow Y \cap S \cap F^c = 720$$

$$3000 = 600 + 800 + 720 + Y \cap S \cap F$$

$$\Rightarrow Y \cap S \cap F = 880$$

ANS: D