



Problem of the Week

Problem A

Sporting Sleuth

A) A physical education teacher weighed some of the equipment in the gym. She recorded the following measurements:

$$\begin{array}{r} \text{baseball} + \text{soccer ball} = 530 \text{ grams} \\ \text{baseball} + \text{baseball} = 280 \text{ grams} \\ \text{soccer ball} + \text{basketball} = 890 \text{ grams} \end{array}$$

Determine the mass of each type of ball: baseball soccer ball basketball



B) A gym bag contains three baseballs, a soccer ball and two basketballs. What is the approximate total mass of the gym equipment?

