Solve the following word problems which involve systems of linear equations. Show your linear equations and show your work to solve the systems.

The Linderman Construction Company needs bricks for a project. The brickyard has two sizes of pallets – Pallet X has 200 bricks per pallet, and Pallet Y has 160 bricks per pallet. Linderman Construction Co. orders a total of 24 pallets of bricks consisting of 4,280 bricks. How many of each pallet do they purchase?

The 8th Grade Class is selling candy as a fundraiser. There are two types of candy they are selling – Chocolate Bars and bags of Gummi Bears. During week one of the fundraiser they sell 152 chocolate bars and 86 bags of gummi bears, raising $585. During week two, they sell 79 chocolate bars and 49 bags of gummi bears, raising $303. How much does each candy sell for?