Aaron and Zelda were assigned kitchen duty at summer camp, and had to peel the potatoes for that night's dinner. Zelda peels 3 potatoes per minute and Aaron peels 5 per minute. Zelda gets a 6-minute head start, and they continue peeling potatoes until the whole pile is gone. When finished, they realize that they've both peeled the same number of potatoes. How many potatoes were there to begin with?

P.S. Don't worry, at IMSA's summer camp, you won't have to peel any potatoes!