Problem of the Week
Grade 7 and 8

Life is Not Fair

A sum of money is to be divided among three children: Alex, Bogdan, and Chai. The money will be split as follows:

(i)   Alex receives \$500 plus $\frac{1}{5}$ of what then remains;

(ii)   Bogdan then receives \$800 plus $\frac{1}{4}$ of what then remains; and

(iii)   Chai then receives the rest, which is \$900.

How much is the original sum of money? Which child receives the most money?