

37 (a) $\frac{3.7 \times 10^{11}}{2.03 \times 10^8} \approx \$1,823$ per person

(b) $\frac{4.86 \times 10^{12}}{2.6 \times 10^8} \approx \$18,692$ per person

(c) There are different ways to estimate this.

1) During the past 25 years the debt per person has increased by $18,692 - 1823 = \$16,869$.

Thus, during the next 25 years one might predict the debt to be $18,692 + 16,869 = \$35,561$.

2) During the past 25 years the debt per person has increased by a factor of $\frac{18,692}{1823} \approx 10.3$.

During the next 25 years one might predict the debt to increase by a factor of 10.3 or

$10.3 \times \$18,692 = \$192,500$. *Answers may vary.*