Kate Middleton came to America with 42 pounds (£) and 57 euros (€). She would like to buy a can of caviar worth $140. Today, we have:

\[
\begin{align*}
1.00 &= 0.612 \\
1.00 &= 1.362
\end{align*}
\]

a.) Does she have enough money?

Kate has £42, which converts to $68.63 as follows: $\frac{42}{0.612} \times 1 = 68.63$.

She also has €57, which converts to $77.64 as follows: $\frac{57}{1.362} \times 1 = 77.64$.

So, in total, she has $68.63 + 77.64 = 146.27$. Since $146.27 > 140$, she does have enough money.

b.) If so, how much excess does she have? If not, how much is she short by?

She has an excess of $146.27 - 140 = 6.27$. 