

Math SMART Lesson 19 – Quiz 2 – Estimating Example

Women at the age of 30 years need to eat only 2,250 calories a day to be healthy.

At the same age men need 3,225 calories a day. How many more calories do men need than women?

Estimate:	Answer:
$ \begin{array}{r} 3,225 \sim 3,200 \\ -2,250 \sim -2,300 \\ \hline 900 \text{ calories} \end{array} $	$ \begin{array}{r} \\ 3,225 \\ -2,250 \\ \hline 975 \text{ calories} \end{array} $

Answer: You can subtract the ones column easily. You cannot subtract the tens column because **2** is less than **5**. Look to the hundreds column place. Take **1** from the **2** in the hundreds column (convert it to 10 + 2) equaling **12** in the tens column. Now you can subtract (12-5=7).

You cannot subtract the hundreds column because **1** is less than **2**. Borrow **1** from the **3** in the thousands column and add to the hundreds column (10 + 1) equaling **11**. Subtract and the total is **975**.