Reminder: I expect that you will have found a topic for your term paper by the end of February.

(1) Do these addition problems. (Pictures might help!)

    (a) ★△+!#

    (b) △$ + ♡#

    (c) #★ + △△

    (d) ★♡ + #!

(2) Do these subtraction problems. (Pictures might help!)

    (a) ★♡ − △#

    (b) ## − ♡★

    (c) !♡# − ★$

    (d) ♡@@ − #★

(3) A young Bohemian was during arithmetic on a dusty floor when her friend walked through some of her work. Can you fill in the numbers that got erased?

$$
\begin{array}{cc}
  & \triangle \quad \bigstar \\
- & \heartsuit \\
\hline
  & \heartsuit
\end{array}
\qquad
\begin{array}{cc}
  & \heartsuit \\
- & \#\ \# \\
\hline
  & !
\end{array}
\qquad
\begin{array}{ccc}
  \$ & \bigstar & \\
- & \triangle & \# \\
\hline
  & @ & \$
\end{array}
\qquad
\begin{array}{ccc}
  ! & ! & \heartsuit \\
- & \triangle & \bigstar \\
\hline
  & \bigstar & \heartsuit
\end{array}
$$

(4) Write down clearly two real-life math questions requiring the addition $23 + 17$ to solve them. Make them as different from one another as possible and include answers (if appropriate with correct units). For one of your examples, illustrate how you could use the real-life situation to explain to your students the steps needed to add 23 and 17.

(5) Write down clearly two real-life math questions requiring the subtraction $33 − 19$ to solve them. Make them as different from one another as possible and include answers (if appropriate with correct units). For one of your examples, illustrate how you could use the real-life situation to explain to your students the steps needed to subtract 19 from 33.