Materials: Colored Construction Paper, Scissors, Ruler, Markers, and Explorer’s Attitude

Step-By-Step Reference: Visit www.youtube.com/mashupmath to access the corresponding video lesson.

Questions:
1.) Recreate your fraction kit in the diagram below for the following fractions:

\[
\begin{align*}
1/2 & \quad 1/4 & \quad 1/8 & \quad 1/16 \\
1 \text{ WHOLE} \\
\end{align*}
\]
Name: __________________          Date: _________

Questions (continued)

2.) Based on your fraction kit, explain why $\frac{1}{2} + \frac{1}{2} = 1$?

3.) Find the value of $\square$ in each statement:

\[
\begin{align*}
8 &= \square \quad 4 \\
\square &= \square \\
16 &= \square \\
\end{align*}
\]

\[
\begin{align*}
? &= 1 \\
2 &= 1 \\
? &= 3 \\
8 &= 4 \\
? &= 2 \\
16 &= 4 \\
\end{align*}
\]

4.) For each of the following, fill in the blank using $>$, $<$, or $=$.

\[
\begin{align*}
1 &= 1 \\
2 &= 4 \\
1 &= 1 \\
3 &= 2 \\
2 &= 1 \\
16 &= 8 \\
3 &= 10 \\
4 &= 16 \\
\end{align*}
\]