Flag Proportions Help Sheet

Chose a value for Length __________ (hint: 12 in, 16 in, 24 in, 36 in all keep the math pretty simple)

Width

\[
\frac{\text{Width}}{\text{Length}} = \frac{1}{2}
\]

So

\[
\frac{1}{2} = \frac{?}{\text{Length value}}
\]

Width = ______

Jack Width

\[
\frac{\text{Jack Width}}{\text{Width}} = \frac{1}{2}
\]

So

\[
\frac{1}{2} = \frac{?}{\text{Width value}}
\]

Jack Width = ______

Jack Length

\[
\frac{\text{Jack Length}}{\text{Length}} = \frac{7}{16}
\]

So

\[
\frac{7}{16} = \frac{?}{\text{Length value}}
\]

Jack Length = ______

Stripe Width

\[
\frac{\text{Strip Width}}{\text{Width}} = \frac{1}{8}
\]

So

\[
\frac{1}{8} = \frac{?}{\text{Width value}}
\]

Strip Width = ______

Red Cross

\[
\frac{\text{Red Cross Width}}{\text{Stripe Width}} = \frac{2}{3}
\]

So

\[
\frac{2}{3} = \frac{?}{\text{Stripe Width value}}
\]

Red Cross Width = ______

White Border

\[
\frac{\text{White Border}}{\text{Red Cross}} = \frac{1}{3}
\]

So

\[
\frac{1}{3} = \frac{?}{\text{Red Cross Value}}
\]

Each side of White border = ______

Saltire

The Red Cross Width is equal to the Saltire Width. Saltire Width = ______

Use the following proportions to find the Width of each stripe in the Saltire.

Small White

\[
\frac{\text{Small White}}{\text{Saltire}} = \frac{1}{6}
\]

So

\[
\frac{1}{6} = \frac{?}{\text{Saltire Width Value}}
\]

Small White Stripe Width = ______

Red Stripe

\[
\frac{\text{Red Stripe}}{\text{Saltire}} = \frac{1}{3}
\]

So

\[
\frac{1}{3} = \frac{?}{\text{Saltire Width Value}}
\]

Red Stripe Width = ______

Large White

\[
\frac{\text{Large White}}{\text{Saltire}} = \frac{1}{2}
\]

So

\[
\frac{1}{2} = \frac{?}{\text{Saltire Width Value}}
\]

Large White Stripe Width = ______