G5-M4-Lesson 9

1. Convert. Show your work using a tape diagram or an equation.

   a. $\frac{3}{4}$ year = _____ months

   $\frac{3}{4}$ *year* $= \frac{3}{4} \times 1$ *year*

   I can think of $\frac{3}{4}$ year as $\frac{3}{4}$ of 1 year.

   $= \frac{3}{4} \times 12$ *months*

   I can rename 1 year as 12 months.

   $= \frac{36}{4}$ *months*

   $= 9$ *months*

   I can do this in my head: $\frac{3}{4} \times 12 = \frac{3 \times 12}{4} = \frac{36}{4}$.

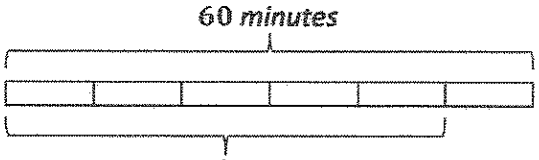
   b. $\frac{5}{6}$ hour = _____ minutes

   $\frac{5}{6}$ *hour* $= \frac{5}{6} \times 1$ *hour*

   $= \frac{5}{6} \times 60$ *minutes*

   $= \frac{300}{6}$ *minutes*

   $= 50$ *minutes*



I can use a tape diagram to show that I'm trying to find $\frac{5}{6}$ of 60 minutes.

2. $\frac{2}{3}$ of a yardstick was painted blue. How many feet of the yardstick were painted blue?

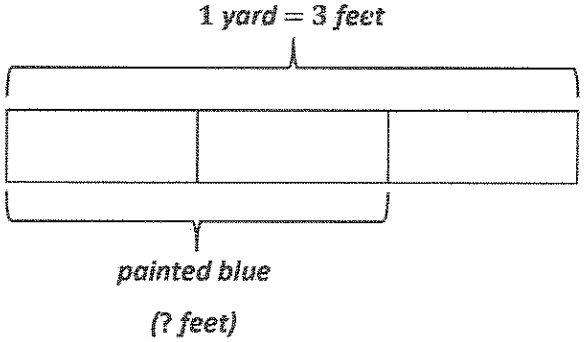
   $\frac{2}{3}$ *yard* = _____ *feet*

   $= \frac{2}{3} \times 1$ *yard*

   $= \frac{2}{3} \times 3$ *feet*

   $= \frac{6}{3}$ *feet*

   $= 2$ *feet*



2 feet of the yardstick are painted blue.