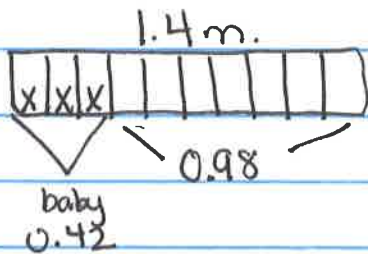


M4.118 - Relate Decimal + Fraction Multiplication

AP

The young gorilla needs to grow 0.98 meter more.



$$\frac{3}{10} \times 1.4 =$$

$$\frac{3}{10} \times \frac{14}{10} = \frac{42}{100}$$

$$\frac{3}{10} \times \frac{14}{10} = \frac{42}{100} = 0.42$$

$$\begin{array}{r} 0.42 \\ \times 1.40 \\ \hline \end{array}$$

$$\begin{array}{r} 0.42 \\ 0.98 \\ \hline \end{array}$$

$$1.4 - 0.42 =$$

$$3.2 \times 2.1$$

$$\frac{32}{10} \times \frac{21}{10} = \frac{672}{100} \quad \left. \begin{array}{l} 32 \\ 100 \times 21 \end{array} \right\} 32 \text{ tenths} \times 21 \text{ tenths}$$

$$\begin{array}{r} 672 \\ \times 21 \\ \hline 672 \\ + 640 \\ \hline 672 \end{array}$$

$$\begin{array}{r} 32 \text{ tenths} \\ \times 21 \text{ tenths} \\ \hline 32 \end{array}$$

$$6.72$$

$$\begin{array}{r} + 640 \\ \hline 672 \text{ hundredths} \end{array}$$

$$6.72$$

$$3.2 \times 0.44$$

$$\frac{32}{10} \times \frac{44}{100} = \frac{1408}{1000} = 1.408$$

$$\begin{array}{r} 32 \\ \times 44 \\ \hline 128 \\ 1280 \\ \hline 1408 \end{array}$$

$$\left. \begin{array}{r} 32 \text{ tenths} \\ \times 44 \text{ hundredths} \\ \hline 128 \\ + 1280 \\ \hline 1,408 \text{ thousandths} \\ \\ 1.408 \end{array} \right\}$$

$$3.2 \times 4.21$$

$$\frac{32}{10} \times \frac{421}{100} = \frac{13472}{1000} = 13.472$$

$$\begin{array}{r} 421 \\ \times 32 \\ \hline 842 \\ 12630 \\ \hline 13472 \end{array}$$

$$\left. \begin{array}{r} 421 \text{ hundredths} \\ \times 32 \text{ tenths} \\ \hline .842 \\ 12630 \\ \hline 13472 \text{ thousandths} = 13.472 \end{array} \right\}$$

$$2.6 \times 0.4$$

$$\frac{26}{10} \times \frac{4}{10} = \frac{104}{100} = \underline{1.04}$$

26 tenths \times 4 tenths =

104 hundredths

$$\begin{array}{r} 26 \\ \times 4 \\ \hline 104 \end{array}$$

$$\underline{1.04}$$

$$\begin{array}{r} 2.\underline{6} \\ +1 \\ \hline \end{array} \times \begin{array}{r} 0.\underline{4} \\ +1 \\ \hline \end{array} = \begin{array}{r} 1.\underline{04} \\ 2 \end{array}$$