1. Matthew says that $\frac{8}{12}$ of the moccasins have no fur. Lauren says that $\frac{4}{6}$ have no fur.

a) Use ~~number~~ to show that $\frac{8}{12}$ is equivalent to $\frac{4}{6}$.

~~b) Multiply or divide to show that both students are correct.~~

M $\boxed{\dfrac{8}{12}}$

L $\dfrac{4}{6}$: $\boxed{\dfrac{8}{12}}$

4. Claire is making a scrapbook. The stickers for her scrapbook come in strips. This is one strip.

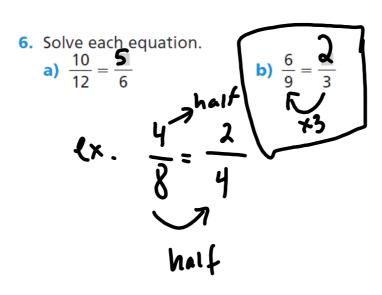a) What fraction of the strip represents the <u>sun</u> <u>stickers? Write an equivalent fraction.</u> ~~Explain what you did.~~

b) What fraction of the strip represents the star stickers? Write an equivalent fraction. Explain what you did.

$$4a) \ \frac{4}{10} \ ^{\times 2}_{\times 2} \ , \ \frac{8}{20} \ , \ \frac{2}{5}$$

$$4b) \ \frac{6}{10} \ , \ \frac{12}{20} \ , \ \frac{3}{5}$$

5. Sara made the following pattern using fractions that are equivalent to $\frac{1}{2}$. Write the next three fractions in her pattern.

$\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{4}{8}, \frac{5}{10}, \frac{6}{12}, \ldots$

73

$$\frac{73}{146}$$

$$\begin{array}{r} 73 \\ \times\ \ 2 \\ \hline 140 \\ +\ \ 6 \\ \hline 146 \end{array}$$

6. Solve each equation.

a) $\dfrac{10}{12} = \dfrac{\mathbf{5}}{6}$

b) $\dfrac{6}{9} = \dfrac{2}{3}$

$\times 3$

ex. $\dfrac{4 \;\;\to\; \text{half}}{8} = \dfrac{2}{4}$

half

7. List two fractions that are equivalent to each fraction
below. Show your work.

a) $\dfrac{2}{3}$ b) $\dfrac{3}{4}$ c) $\dfrac{4}{5}$ d) $\dfrac{4}{8}$

$\dfrac{2}{3} : \dfrac{6}{9} , \dfrac{4}{6}$ $\dfrac{3}{4} : \dfrac{6}{8} , \dfrac{9}{12}$ $\dfrac{4}{5} : \dfrac{8}{10} , \dfrac{12}{15}$ $\dfrac{4}{8} : \dfrac{2}{4} , \dfrac{1}{2}$

$\dfrac{4}{8} : \dfrac{8}{16} , \dfrac{12}{24}$