

Reasoning with Proportions

Use the Fraction Bars to show

$$\frac{3}{4} = \frac{6}{8}$$

Each of the following proportions can also be written with these same four numbers. Confirm, using the Fraction Bars, that these proportions are also true.

$$\frac{4}{3} = \frac{8}{6}$$

$$\frac{4}{8} = \frac{3}{6}$$

$$\frac{8}{4} = \frac{6}{3}$$

Describe how each proportion is related to the first proportion.

Write three other true proportions using the four values in each proportion. Show that each proportion is true by using your fraction bar template

$$\frac{2}{5} = \frac{10}{25}$$

$$\frac{3}{8} = \frac{6}{16}$$

$$\frac{4}{6} = \frac{8}{12}$$

$$\frac{1}{5} = \frac{20}{100}$$