

## Part 2-3 → Cross Multiply & Divide

We just solved for "x" using left-right "simplification"-like moves

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

$$\frac{6}{8} \stackrel{\div 2}{=} \frac{x}{4} \stackrel{\div 2}{=} \frac{x}{4}$$

$$x = 3$$

But what to do if numbers are tough?

$$\frac{6}{8} = \frac{x}{252}$$

CROSS MULTIPLY & DIVIDE!

$$\frac{6}{8} = \frac{x}{252}$$

use calculator:  $6 \times 252 \div 8 = 189$

$$\frac{6}{8} = \frac{189}{y}$$

$$8 \times 189 \div 6 = 252$$

works this way too!