

Lesson 2-3 → Proportional Relationships with Fractions and Calculators

Now we are ready to tackle tougher proportional relationship questions

Remember! $\frac{y}{x}$ must be the SAME

Remember! $\frac{y}{x}$ is the constant of proportionality

Does the table show a proportional relationship?

x	$2\frac{1}{2}$	$2\frac{1}{5}$	$3\frac{3}{4}$
y	$27\frac{1}{2}$	$24\frac{1}{5}$	41 $\frac{1}{4}$

CONVERT them TO DECIMALS!

x	2.5	2.2	3.75
y	27.5	24.2	41 oops! 41.25

USE That Calculator!

$$\frac{y}{x} \quad 27.5 \div 2.5 = 11$$

$$\frac{y}{x} \quad 24.2 \div 2.2 = 11$$

YES! Proportional!

$$\frac{y}{x} \quad 41.25 \div 3.75 = 11$$