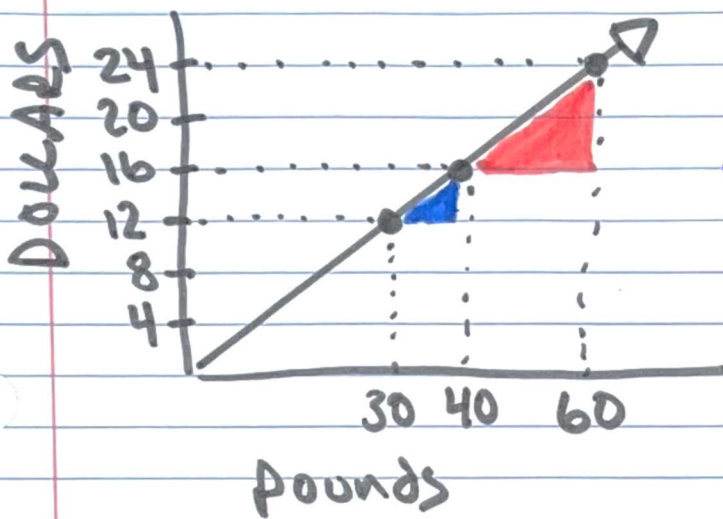


WIN 1-2 \rightarrow Steepness with Right Triangles

What is the price per pound of apples?



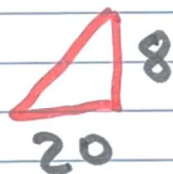
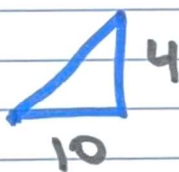
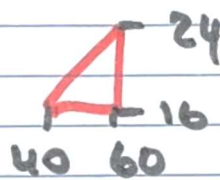
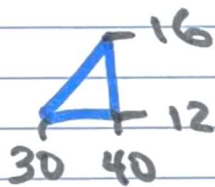
we could do $\frac{Y}{X}$

$$\frac{12}{30} = 0.4 \quad \frac{16}{40} = 0.4 \quad \frac{24}{60} = 0.4$$

each pound is \$0.40

$$y = 0.4x$$

We could also do $\frac{\text{Rise}}{\text{Run}}$ for any triangle



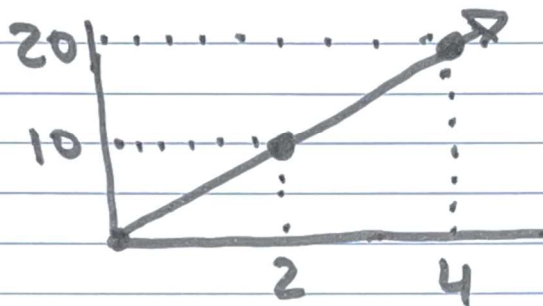
$$\frac{\text{Rise}}{\text{Run}} \quad \frac{4}{10} = 0.4$$

$$\frac{\text{Rise}}{\text{Run}} \quad \frac{8}{20} = 0.4$$

Rise is the $\frac{y}{x}$
Run NEW

Here's why $\frac{y}{x}$ needs an upgrade

$\frac{y}{x}$ works for proportional relationships



$$y = 5x$$

BUT

$\frac{y}{x}$ does not work for Linear Equations

