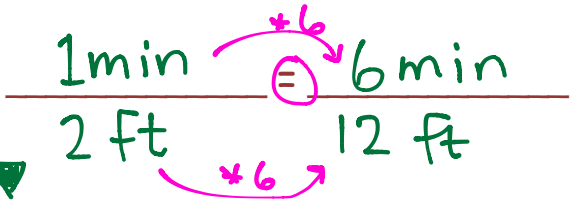
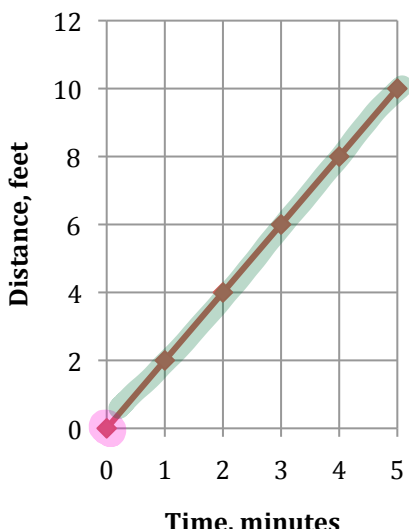


Proportionality

(it's a reality)

I know two quantities are proportional if...	Looks like:												
<p><u>2</u> ratios are <u>equal</u>.</p>													
<p>Table</p> <p>① Show 2 ratios equal to each other</p> <p>OR</p> <p>② Every $\frac{y}{x}$ = unit rate (constant of proportionality)</p>	<table border="1" data-bbox="824 814 1477 940"> <tr> <td>x: Time, min</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>6</td> </tr> <tr> <td>y: Distance, ft</td> <td>0</td> <td>2</td> <td>4</td> <td>6</td> <td>12</td> </tr> </table> <p>$\frac{2}{1} = 2$ $\frac{4}{2} = 2$ $\frac{6}{3} = 2$</p>	x: Time, min	0	1	2	3	6	y: Distance, ft	0	2	4	6	12
x: Time, min	0	1	2	3	6								
y: Distance, ft	0	2	4	6	12								
<p>Graph</p> <ul style="list-style-type: none"> starts at <u>(0,0)</u> <u>Straight</u> line 													
<p>Equation</p> <p>$y = \frac{\text{Unit Rate}}{\text{(constant of proportionality)}} \cdot x$</p>	<p>$d = 1.5t$</p> <p>$y = 2x$</p> <p>$C = .50n$</p> <p>$d = 5 + 2t$ (not proportional)</p>												