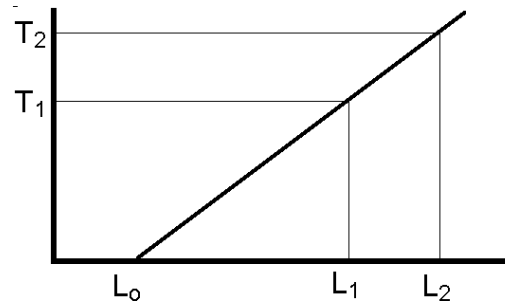


*Algebra:* Here is an equation:  $a/b = c/d$

1. If I multiply each side by “b” I get \_\_\_\_\_ = \_\_\_\_\_.
2. If I multiply each side by “d” I get \_\_\_\_\_ = \_\_\_\_\_.
3. If I divide each side by “a” I get  $1/b =$  \_\_\_\_\_.
4. If I divide each side by “c” I get \_\_\_\_\_ = \_\_\_\_\_.
5. In #1 above I solved the equation for \_\_\_\_\_.
6. In #2 above I solved for \_\_\_\_\_.
7. To solve for “b” I could *invert* both sides of equation 3.  
I would get:  $b =$  \_\_\_\_\_.
8. To solve for “d” I could \_\_\_\_\_ both sides of equation \_\_\_\_.  
The result is: \_\_\_\_\_ = \_\_\_\_\_

*Geometry:* Here are two similar triangles:



1. Height of smaller triangle = \_\_\_\_\_.
2. Width of smaller triangle = \_\_\_\_\_.
3. Height of larger triangle = \_\_\_\_\_.
4. Width of larger triangle = \_\_\_\_\_.
5. Ratio of height to width for smaller triangle = \_\_\_\_\_.
6. Height-to-width ratio for bigger triangle = \_\_\_\_\_.
7. Since the triangles are similar, those two ratios must be \_\_\_\_\_.  
(See #10 on page 0)
8. Write equation 7: \_\_\_\_\_ = \_\_\_\_\_
9. Solve equation 8 for the bigger “T” value: \_\_\_\_\_ = \_\_\_\_\_
10. Using scrap paper, solve equation 8 for “L1”:  
\_\_\_\_\_ = \_\_\_\_\_