

Algebra 2, Intermediate Algebra

Direct and Inverse Variation

YAY MATH!

Students will be able to complete the following problems after watching the video:

If $T = 8$ when $X = 2\text{in}$,
Find T when $X = 4\text{in}$.

Da Vinci observed that a person's height varies directly as the width of their shoulders. If a person 70 in. tall has a shoulder width of 17.5 in, what's the height of someone whose shoulder width is 16in?

The length (L) of a rectangle is inversely proportional to the width (W). If $L = 6\text{ft}$. when $W = 2\text{ft}$, find L when $W = 3\text{ft}$.