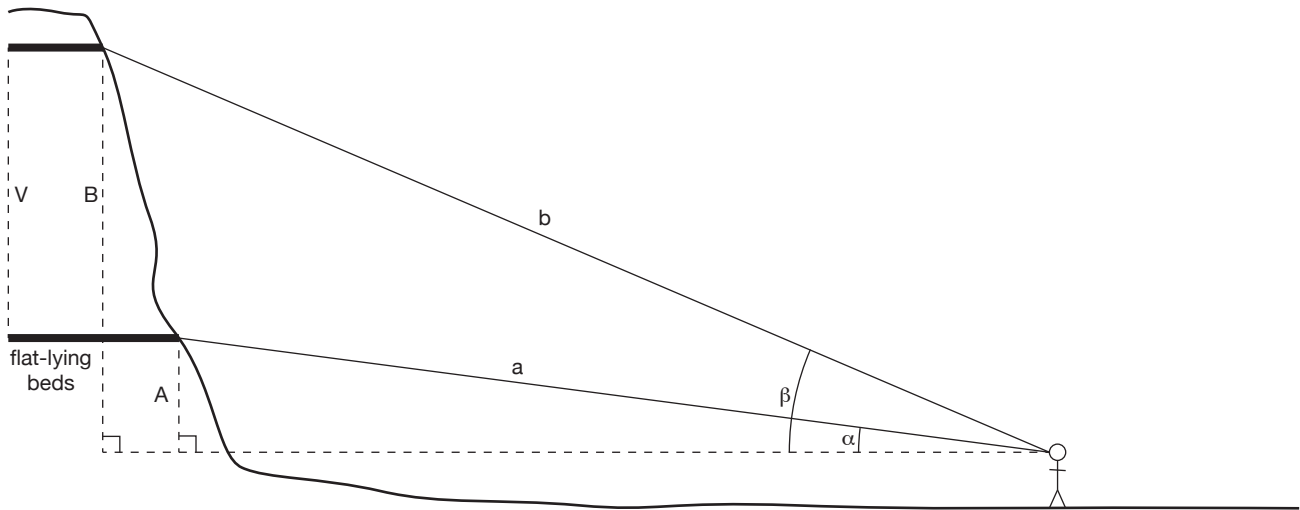# Finding the vertical distance (V) between two horizontal beds

flat-lying beds

$A = a \sin(\alpha)$
$B = b \sin(\beta)$
$V = B - A$

$V = b \sin(\beta) - a \sin(\alpha)$

Use laser rangefinder to measure a and b

Use clinometer to measure α and β

Solve for V