

Test a structure fairly: which shape is strongest?

engineering

Words to use

Fair test · Cross-section · Buckle

Our question

Does the end-shape (round, triangle or square) change how many books a paper column holds before it buckles?

I predict...because...

Sort these words into Change, Measure and Keep the same

the column shape · how many books it holds before it buckles · the paper sheet · the column height · how we stack the books

Change: the ONE thing we change

Measure: the ONE thing we measure

Keep the same: to make it fair

Our results

Column shape	Books on top when it first buckled
Round	
Triangle	
Square	