Checking a Strip After Repeated Loads

Scoring guide · one credit per question · review written work against each rubric

Checking a Strip After Repeated Loads

Question 1

Choice (2)

Q breaks at 48 N on one pull and completes 320 of the 20 N pulls. P exceeds the one-pull requirement but completes only 80 repeated pulls.

Question 2

P does have the greater single-pull breaking force, but the container tab must also complete 200 repeated pulls. P completes only 80. Q is the material that meets both limits.

Question 3

The 46 N measurement is above the 40 N requirement. The other test only shows that R completed 150 pulls. It has not yet shown whether R can complete at least 200.

Question 4

Continue the repeated pulls to 200 completed pulls or until the strip fails. Keep each pull at 20 N and use the same duration and geometry. Completing 200 would satisfy the requirement.