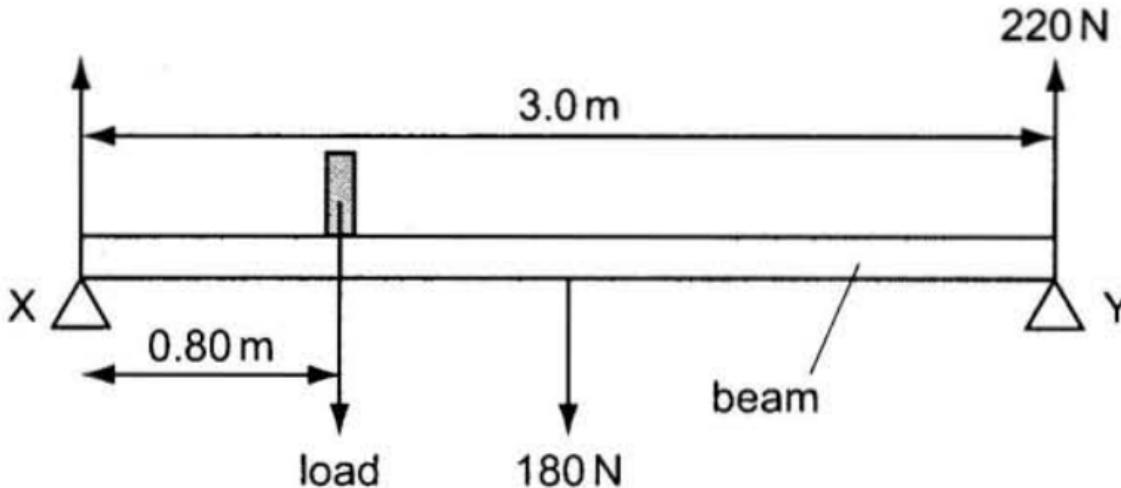


- 9 A uniform beam in a roof structure has a weight of 180 N. It is supported in two places X and Y, a distance 3.0 m apart. A load is placed on the beam a distance of 0.80 m from X. The support provided by Y is 220 N.



What is the value of the load?

A 270 N

B 490 N

C 520 N

D 830 N