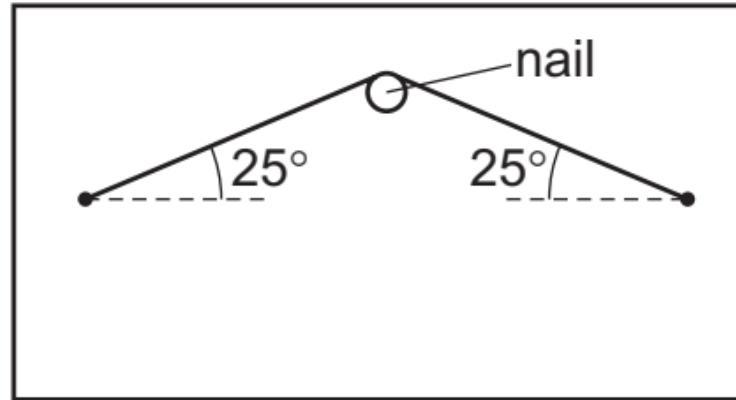


18 A picture on a wall is supported by a wire looped over a nail.



The mass of the picture is 4.2 kg.

What is the tension in the supporting wire?

A 5.0 N

B 23 N

C 49 N

D 97 N

19 A piston in a gas supply pump has an area of 500 cm^2 and it moves a distance of 20 cm during