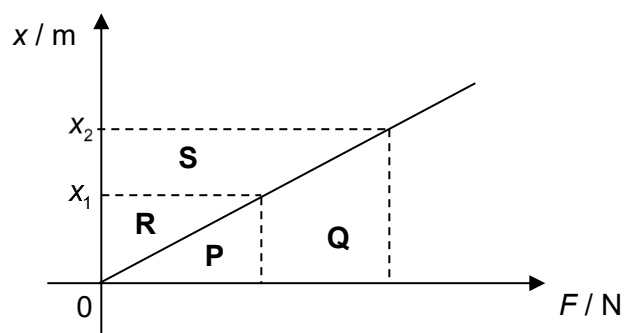**7** The variation with force F of the extension x of a spring is shown in the figure below.

The work done in stretching the spring from x_1 to x_2 is given by the area

A   P + Q

B   S

C   R + S

D   Q