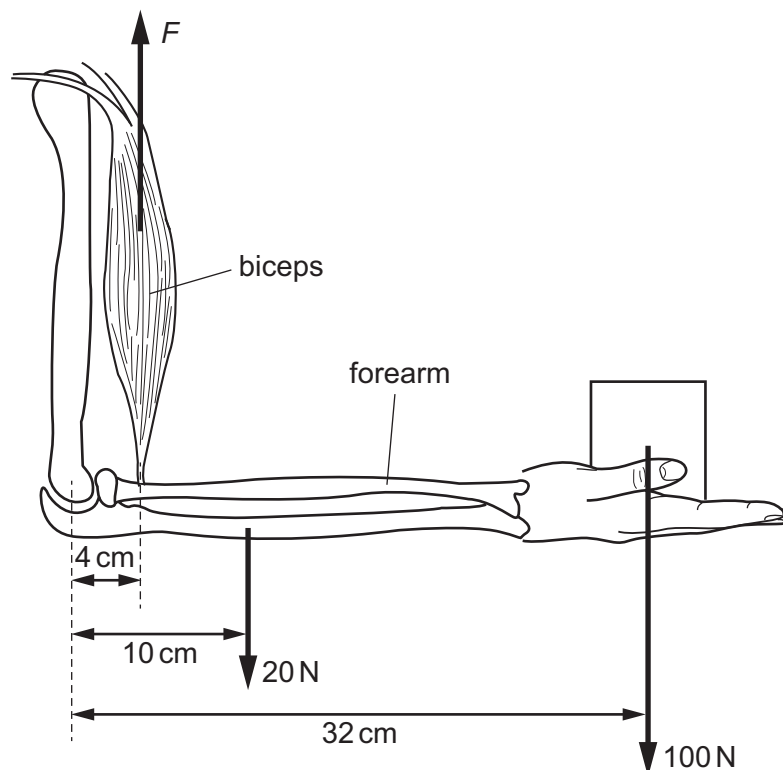


- 12** A man holds a 100 N load stationary in his hand. The combined weight of the forearm and hand is 20 N. The forearm is held horizontal, as shown.



What is the vertical force  $F$  needed in the biceps?

- A** 750 N      **B** 800 N      **C** 850 N      **D** 900 N

**Space for working**