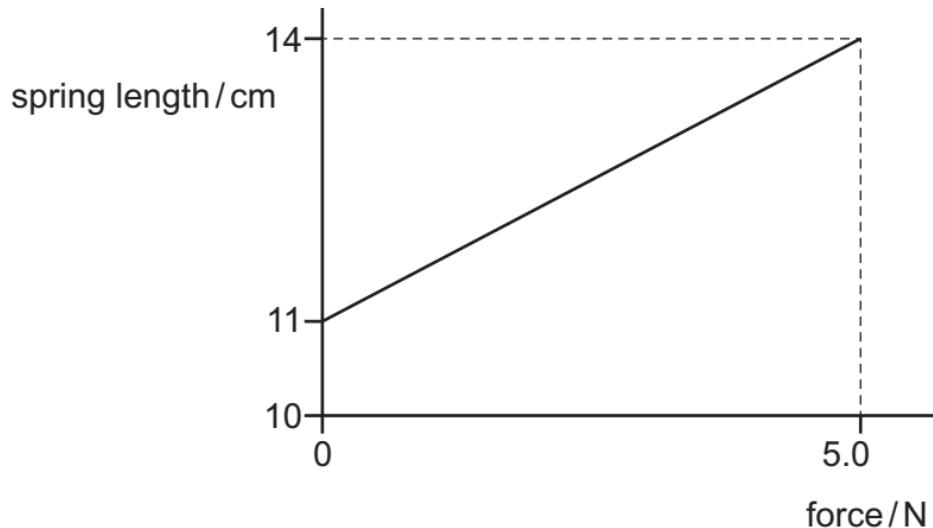


**18** The graph shows the effect of applying a force of up to 5.0 N to a spring.



The spring obeys Hooke's law for forces up to 7.0 N.

What is the total extension of the spring produced by a 7.0 N force?

**A** 4.2 cm

**B** 5.6 cm

**C** 15 cm

**D** 20 cm