

**21** When a force of 0.80 N is applied to a spring, the length of the spring is 90 mm.

When a force of 1.30 N is applied to the same spring, its length is 115 mm.

The spring obeys Hooke's law.

What is the spring constant of the spring?

**A** 8.9 N m<sup>-1</sup>

**B** 10 N m<sup>-1</sup>

**C** 11 N m<sup>-1</sup>

**D** 20 N m<sup>-1</sup>