

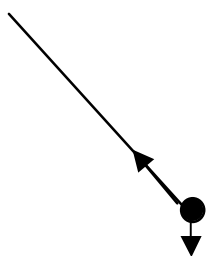
## Answers to Coursebook questions – Chapter 2.3

1

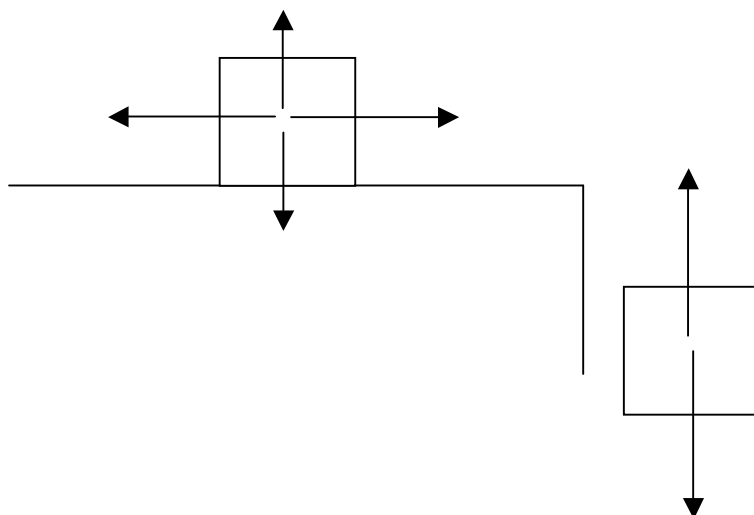
a



b



2

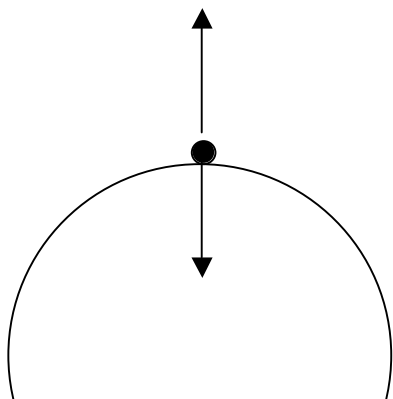


3

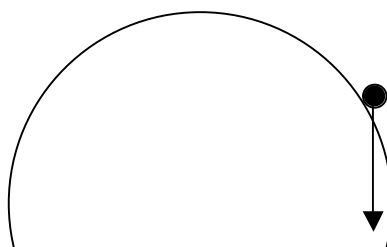


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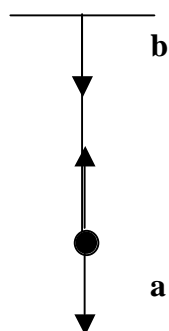
a



b



5



6

The tension is 50 N in both cases.

7

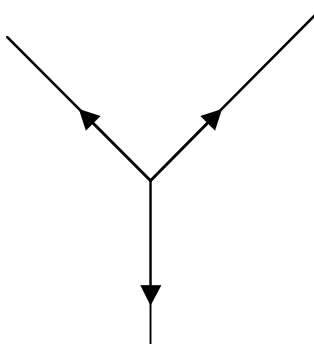
Assuming Hooke's law, i.e. tension proportional to extension, the new tension should be  $125 \times \frac{3.2}{2.8} = 143 \text{ N}$ .

8

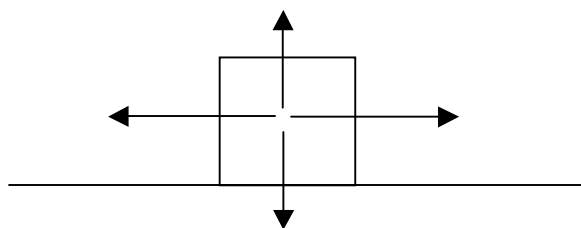
a



b

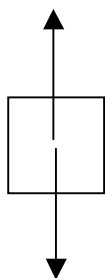


9



10

a



b

