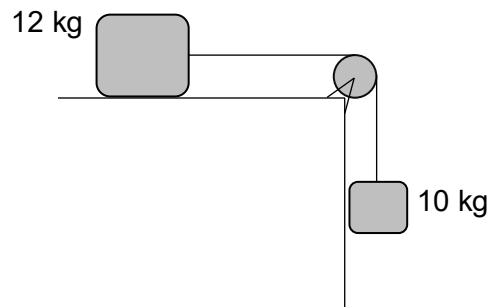


- 5** A block of mass 12 kg lies on a frictionless horizontal table. A rope connects the 12 kg block to another block of mass 10 kg that hangs freely via a frictionless pulley as shown in the diagram below. The system is then released from rest.



What is the tension in the rope?

- A** 4.5 N
- B** 16 N
- C** 54 N
- D** 98 N