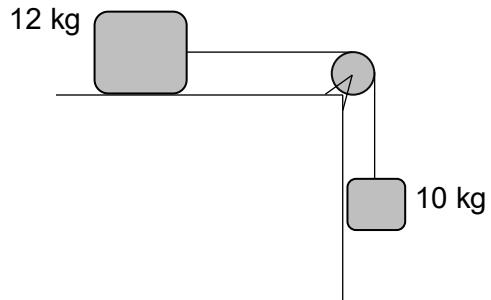


- 5 A block of mass 12 kg lies on a frictionless horizontal table. A rope connects the 12 kg block to another block of mass 10 kg that hangs freely via a frictionless pulley as shown in the diagram below. The system is then released from rest.



What is the tension in the rope?

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