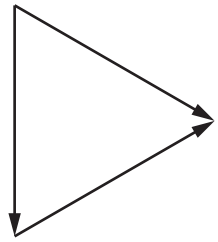
14 Four combinations of vectors are shown, each representing all the forces acting on an object. The forces all act in the same plane.

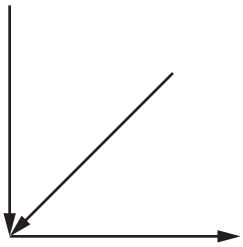
The object is in equilibrium.

Which combination of vectors could represent the forces acting on the object?

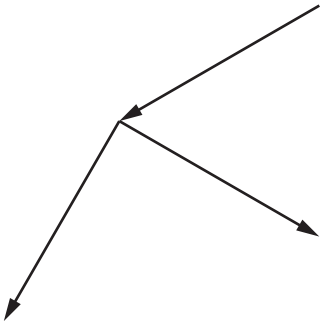
A



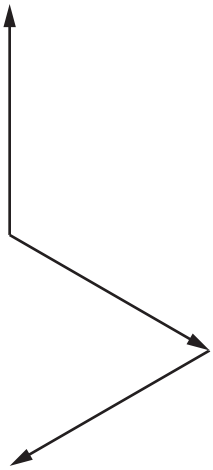
B



C



D



15 A rectangular metal bar exerts a pressure of 15 200 Pa on the horizontal surface on which it rests.

The height of the metal bar is 80 cm.

What is the density of the metal?

A 190 kg m^{-3}

B 1900 kg m^{-3}

C 19 000 kg m^{-3}

D 190 000 kg m^{-3}