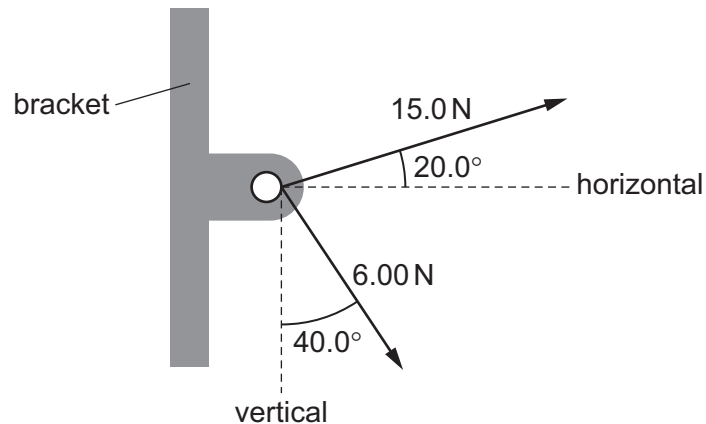


- 4 Two cables are attached to a bracket and exert forces as shown.



What are the magnitudes of the horizontal and vertical components of the resultant of the two forces?

	horizontal component/N	vertical component/N
<b>A</b>	9.73	0.534
<b>B</b>	9.73	10.2
<b>C</b>	18.0	0.534
<b>D</b>	18.0	10.2

- 5 A student is asked to determine the magnitude of the resultant of two forces acting on an object. The student calculates the magnitude of the resultant of the two forces to be 10.2 N. The student then calculates the magnitude of the resultant of the two forces to be 18.0 N. The student then calculates the magnitude of the resultant of the two forces to be 9.73 N. The student then calculates the magnitude of the resultant of the two forces to be 0.534 N.