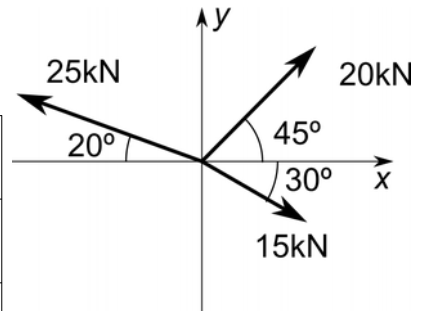


# Forces – 3 – Practice

1. Complete the table of components of the three forces shown in the diagram. Use this to calculate the resultant of the three forces.

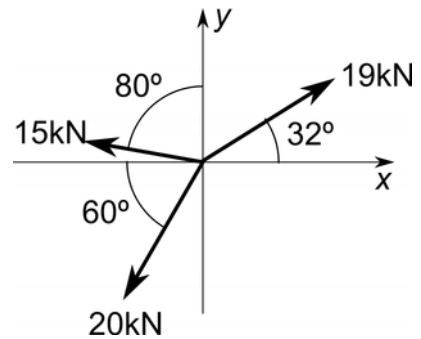
force	x-component	y-component
15kN		
20kN		
25kN		
total		



(15.6kN, 76.5°)

2. Calculate the resultant of the three forces shown, by adding the x and y components.

*(hint: you may want to measure all angles to the x-axis)*  
 (9.83kN at 208°)



3. Calculate the resultant force acting on the eye bolt. (1.1kN, 88°)

