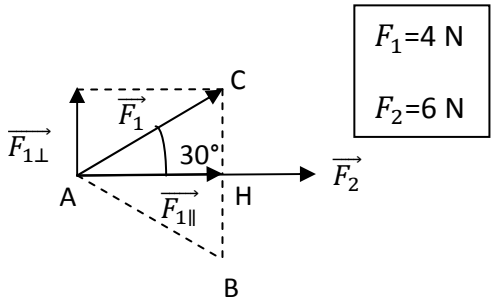
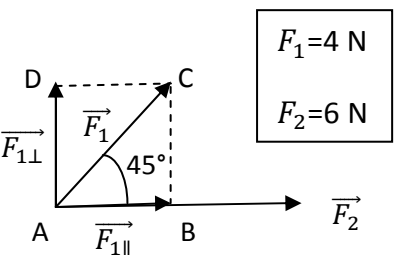
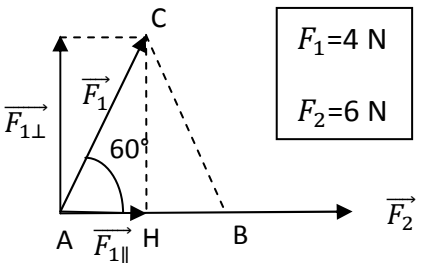


SCOMPOSIZIONE E SOMMA DI VETTORI CON ANGOLI DI 30°, 45°, 60°

ESEMPI

30°	45°	60°
 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $F_1 = 4 \text{ N}$ $F_2 = 6 \text{ N}$ </div>	 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $F_1 = 4 \text{ N}$ $F_2 = 6 \text{ N}$ </div>	 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $F_1 = 4 \text{ N}$ $F_2 = 6 \text{ N}$ </div>
$F_{1\perp} = \frac{F_1}{2} = \frac{4}{2} = 2 \text{ N}$	$F_{1\parallel} = F_{1\perp} = \frac{F_1}{\sqrt{2}} = \frac{4}{\sqrt{2}} \cong 2,8 \text{ N}$	$F_{1\parallel} = \frac{F_1}{2} = \frac{4}{2} = 2 \text{ N}$
$F_{1\parallel} = F_1 \frac{\sqrt{3}}{2} = 4 \cdot \frac{\sqrt{3}}{2} = 2 \cdot \sqrt{3}$ $\cong 2 \cdot 0,87 = 1,74 \text{ N}$	$F_{TOT} = \sqrt{(F_{1\parallel} + F_2)^2 + (F_{1\perp})^2}$	$F_{1\perp} = F_1 \frac{\sqrt{3}}{2} = 4 \cdot \frac{\sqrt{3}}{2} = 2 \cdot \sqrt{3}$ $\cong 2 \cdot 0,87 = 1,74 \text{ N}$
$F_{TOT} = \sqrt{(F_{1\parallel} + F_2)^2 + (F_{1\perp})^2}$ $= \sqrt{(1,74 + 6)^2 + 2^2}$ $\cong \sqrt{59,9 + 4} \cong 8 \text{ N}$	$= \sqrt{(2,8 + 6)^2 + 2^2}$ $\cong \sqrt{77,4 + 4} \cong 9 \text{ N}$	$F_{TOT} = \sqrt{(F_{1\parallel} + F_2)^2 + (1,74)^2}$ $\cong \sqrt{(2 + 6)^2 + 3^2}$ $= \sqrt{64 + 9} \cong 8,5 \text{ N}$