## MATHCOUNTS 2022-2023 Handbook Poster Solution



Oscar makes rover repairs in 6 hours, which means he completes $1 / 6$ of the repairs per hour. Karina makes the same rover repairs in $6 \div 2=3$ hours, meaning she completes $1 / 3$ of the repairs per hour. Working together, Oscar and Karina complete $1 / 6+1 / 3=(1+2) / 6=3 / 6=1 / 2$ of the rover repairs per hour. Therefore, to complete the rover repairs working together will take 2 hours.

