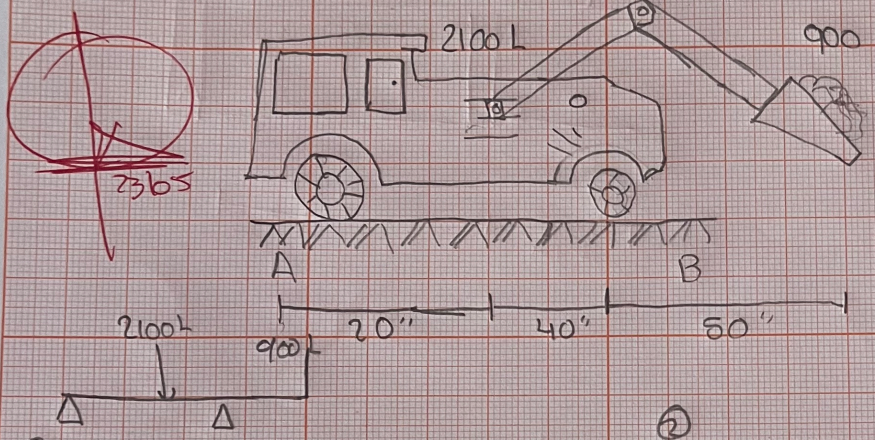
Un tractor de 2100 Libras se utiliza para levantar 900 Libras de grava, ahora determina la relación entre la llanta trasera A y la llanta delantera B.



① $TA - 2100L - 900L + TB = 0$

$TA - 3000L + TB = 0$

$TA + TB = +3000L$

② $(-2100Lb \cdot 20'') + (TB \cdot 60'') + (-900Lb \cdot 110'') = 0$

$(-42,000) + TB \cdot 60'' - 99,000Lb = 0$

$TB = \frac{-141,000Lb}{60} = +\frac{2,350}{2}Lb = 1,1175Lb$

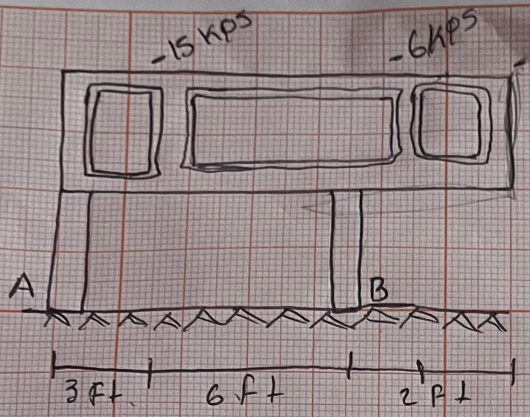
③ $TA + 2,350Lb = 3000Lb$

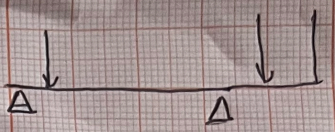
$TA = -2,350 + 3000Lb$

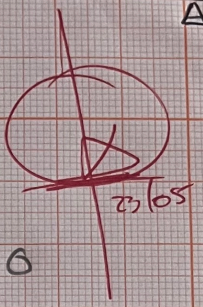
$TA = 650Lb / 2 = 325Lb$

④ $TA + TB = 650Lb + 2,350Lb - 3000Lb = 0$

$TA + TB = 3000Lb - 3000Lb = 0$







① $TA - 15\,kps - 6\,kps - 6\,kps + TB = 0$

$TA - 27\,kps + TB = 0$

$TA + TB = 27\,kps$

② $(-15\,kps \cdot 3\,ft) + (AB \cdot 9\,ft) + (-6\,kps \cdot 11\,ft) + (-6\,kps \cdot 13\,ft)$

$(-45) + AB \cdot 9\,ft + (-66\,kps \cdot ft) + (-78)$

$+189\,kps/ft + AB\,9\,ft$

$AB = \frac{189}{9}\,kps = 21\,kps$

$AA = +21\,kps = 23\,kps$

$AA = 23\,kps - 27\,kps$

$AA = 6\,kps$

③

$FY = +6\,kps - 15\,kps + 6\,kps + 21\,kps$

$F(y) = -27 + 27 = 0$