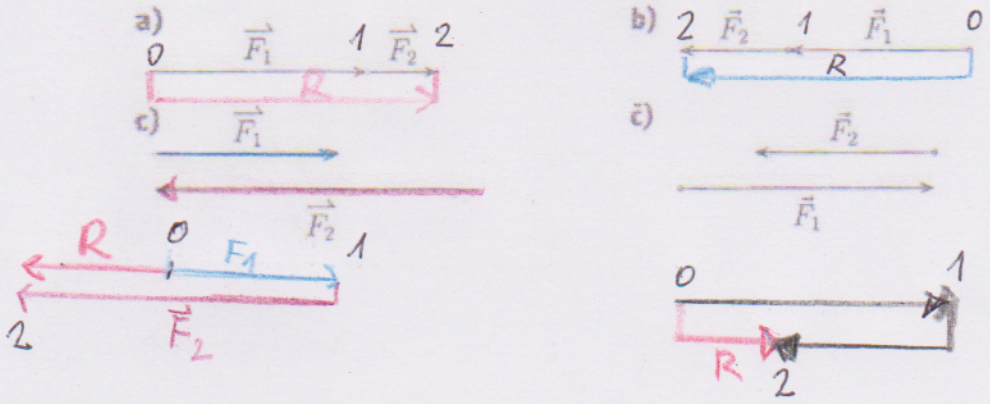
Reši naloge: Če si pozabil-a, ponovi snov iz prejšnje ure.

1. Narisani so pari vzporednih sil. Načrtovalno določi njihove rezultante. Merilo ni podano.

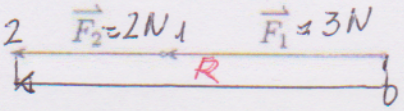


2. Danim parom vzporednih sil poišči rezultante z načrtovanjem in računom. Pazi na različna merila!

a) 1 cm ... 1 N

RAČUNSKO: $R = 2N + 3N = 5N$

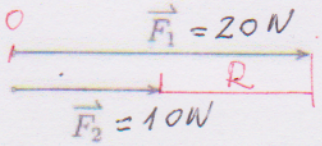
$R = mF \cdot d = \frac{1N}{1cm} \cdot 5cm = 5N$



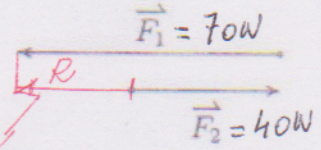
b) 1 cm .... 5 N

RAČUNSKO: $R = 20N - 10N = 10N$

$R = mF \cdot d = 5N \cdot 2cm = 10N$



c) 1 cm . . . 20 N

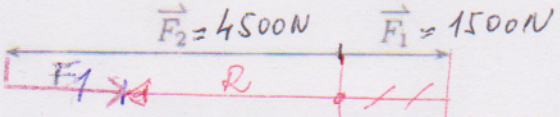


RAČUNSKO:

$R = F_1 - F_2 = 70N - 40N = 30N$

GRAFIČNO: $R = mF \cdot d = \frac{20N}{1cm} \cdot 1,5cm = 30N$

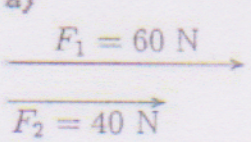
č) 1 cm . . . 1000 N



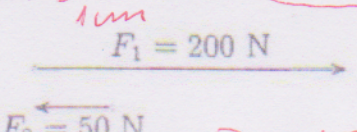
GRAFIČNO: $R = mF \cdot d = \frac{1000N}{1cm} \cdot 3cm = 3000N$

3. Določi rezultanto sil na sliki. Najprej določi merilo.

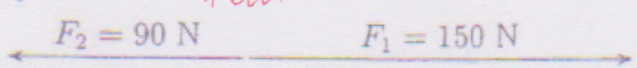
a) $mf = \frac{20N}{1cm}$, $R = 20N$



b) $mf = \frac{50N}{1cm}$



RAČUNSKO: $R = F_1 - F_2 = 4500N - 1500N = 3000N$

$R = 150N$

c) $mf = \frac{30N}{1cm}$, $R = 60N$