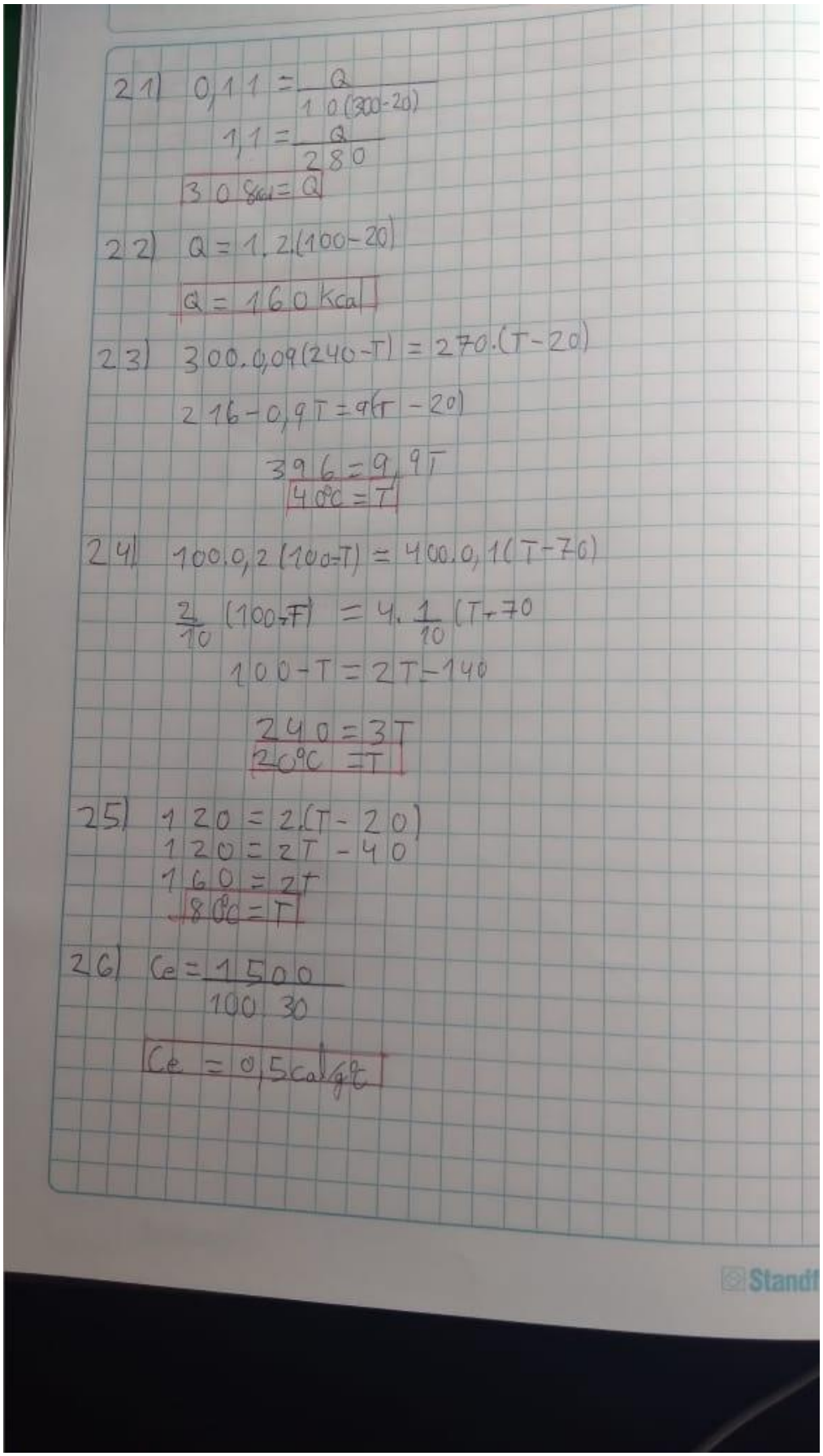
Trabajo de Calor y Temperatura



27) $0,5 = \frac{Q}{0,2 \cdot 30}$ 100G → 0,1Kg

$\frac{5}{10} \cdot \frac{2}{10} \cdot 30 = Q$

3 Kcal = Q

28) $3m \cdot 1(3T - 50) = m \cdot 1(50 - T)$

$9T - 150 = 50 - T$

$10T = 200$

$T = 20°C \rightarrow$ **3T = 60°C**

29) $6 \cdot 1(90 - 40) = m \cdot 1(40 - 20)$

$300 = 20m$

15L = m

30) $Q = 40 \cdot 1 \cdot 100$

Q = 4000 Kcal

31) $C_e = \frac{120}{6 \cdot 50}$

C_e = 0,4 cal/g°C

32) $0,03 = \frac{Q}{10 \cdot (40 - 10)}$

$\frac{3}{100} = \frac{Q}{300}$

9cal = Q

33)

34) $50 \cdot 0,8(100 - 30) = m \cdot 1(30 - 20)$

$40(70) = 10m$

280g = m

Standford