Solving Specific Heat Equations

q = Heat (J)   c = Specific Heat (J/g $\cdot$ ^{o}C)

m = Mass (g) ΔT = Temperature Change (^{o}C)

Solve for heat (q)

$$q = c \cdot m \cdot \Delta T$$

Solve for mass (g)

$$m = q / (c \cdot \Delta T)$$

Solve for temp. (^{o}C)

$$\Delta T = q / (c \cdot m)$$

Solve for specific heat

$$c = q / (m \cdot \Delta T)$$