Specific Heat Worksheet

Specific from $q = (mass)(C_{sp})(\Delta T)$ Units for specific heat $= \frac{J}{g}$ g·°C

1.	What is the specific heat of a substance that absorbs 2.5 x 10 ³ joules of heat when a sample of
	1.0 x 10 ⁴ g of the substance increases in temperature from 10.0°C to 70.0°C?

2.	How many grams of water would require 2.20 x 10 ⁴ joules of heat to raise its temperature from 34.0°C
	to 100.0°C? The specific heat of water is 4.18 J/g·°C

