

II ()

1. (10) 8

S , a $L = \frac{3}{8}l$

, $\frac{5}{8}l$, $V_1 -$
 , a $V_2 -$. (2)

$S = V_1 t_1$, $L = V_2 t_1$

$\frac{8S}{3l} = \frac{V_1}{V_2} l$ (1). (2)

$S + l = V_1 t_2$ $\frac{5}{8}l = V_2 t_2$, (2)

$\frac{8(S+l)}{5l} = \frac{V_1}{V_2}$ (2). (2)

(1) (2) $\frac{V_1}{V_2} = 4$. (2)

2. (8)

$t = 20^\circ\text{C}$;

m- ;

- ;
 - ;

n - ; $t = 100^\circ$

$n_1 = 1$ $t_1 = 40^\circ$, $n_2 = 2$ $t_2 = ?$ $n_3 = 3$ $t_3 = ?$ $n_4 = ?$

$t_4 = 90^\circ$ (2)

$c_B M(t_1 - t_B) = n_1 c m(t - t_1)$ (2)

$c_B M(t_n - t_B) = n c m(t - t_n)$. (2)

$t_2 = 52^\circ\text{C}$, $t_3 = 60^\circ$, $n_4 = 21$ (2)

3. (4)

4. (10)

$= F_{cp} h$, h-