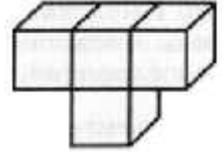


1. 3,5 12 . , 4 / , -
 2 / , - 6 / .
 :
 $t_1 -$, $t_2 -$, $t_3 -$, $2t_1 + t_2 + t_3 = 3,5$.
 $4t_1 + 2t_2 = 4t_1 + 6t_3 = 6$.
 , $t_3 = 0,5$. $l = 0,5 * 6 = 3$.

2. (.) . 4
 5 , 5 .
 , .
 1000 / ³.



:
 $mg = \dots gV \dots$
 $m = 10^3 \cdot 125 \cdot 10^{-6} = 0,125$
 $F_1 = F_2 = 1,25H$, $m = \text{const}$, 0,625
 $\dots gV \dots = \dots gSh = 0,625$; $h = \frac{0,625}{10^3 \cdot 10 \cdot 25 \cdot 10^{-4}} = 0,025 = 2,5$
 $H = 5 + 2,5 = 7,5$

3. , . ,
 , 2 ? 2100 / ° , -15 ° , 10 .
 330 / .

:
 $Nt = cm\Delta t + \}m$
 $t = \frac{cm\Delta t + \}m}{N} = 72,3c$

4. 2 .
 . 5 . ?



:
 $m_1 g \cdot 2a = mg \cdot a + m_2 g \cdot 4a$; $m_2 = \frac{(2m_1 - m)}{4} = 2$.
 $a -$.