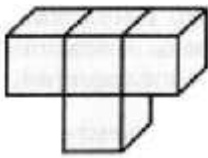


1. 3,5 12 . , 4 / , -  
 2 / , - 6 / .  
 :  
 $t_1 -$  ,  $t_2 -$  ,  $t_3 -$  ,  $2t_1 + t_2 + t_3 = 3,5$  .  
 $4t_1 + 2t_2 = 4t_1 + 6t_3 = 6$  .  
 ,  $t_3 = 0,5$  .  $l = 0,5 * 6 = 3$  .

2. ( . ) . 4  
 5 , 5 .  
 , .  
 1000 / <sup>3</sup> .



:  
 $mg = \dots gV \dots$   
 $m = 10^3 \cdot 125 \cdot 10^{-6} = 0,125$   
 $F_1 = F_2 = 1,25H$  ,  $m = \text{const}$  , 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 . ?



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