

7

	()
10	
8	.
5-6	(, ;).
5	.
2-3	, , .
0-1	(,).
0	, .

1.

1		0,0027
1	16	
1	16	
1	16	
1	4	

1 =0,0027 , 1 =16 , 1 =0,0434 ; 1 =16
 , 1 =0,69 453 ; 1 =16 , 1 =11,1125 ; 1
 =4 , 1 =44,45

- 4
- 2
- 2
- 2

2.

$a=5$.
 $h=1$.
 ?

$$V_{\text{пол}} = 3 \times 3 \times 3 = 27 \text{ см}^3$$

$$V_{\text{кюв}} = 5 \times 5 \times 5 = 125 \text{ см}^3$$

$$V = V_{\text{кюв}} - V_{\text{пол}} = 125 - 27 = 98 \text{ см}^3$$

..... 4
 3
 2
 1

3.

80 / .

$v_2=30$ / .
 $v_3=100$ / .

L —

$t_1 = L/v_1$, $v_1 = 80$ / .
 $v_3 = 100$ / .

$$L_3 = L - \frac{v_2}{v_1} L = \frac{5}{8} L,$$

$$t_3 = L_3/v_3.$$

$$v_{\text{cp}} = \frac{2L}{2t_1 + t_3} = \frac{2L}{2L/v_1 + 5L/(8v_3)} = \frac{2}{1/40 + 1/160} = 64 \text{ км/ч.}$$

v_1 v_2 2
 v_3 3
 v (.....) 1
 v 4

4.

1

?

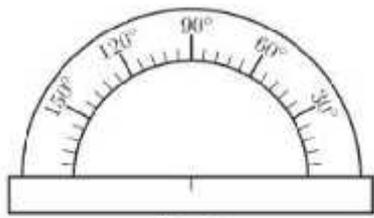


Рис. 1

— , , 5 30.
, 6.

..... 5
..... 5