

1. , : $t = \frac{s}{v}$;

$$t = \frac{7,8 \cdot 10^{10}}{3 \cdot 10^4} = 2,6 \cdot 10^6 \text{ c} = \frac{2600000}{3600 \cdot 24} = 30(\quad) = 1$$

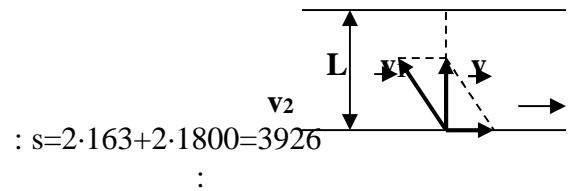
$$s = 2f R = 6,28 \cdot 3,2 \cdot 10^8 = 2 \cdot 10^9 = 2$$

: $2 \cdot 10^9$

2.

$v_1 = 10$ /
$v_2 = 2$ /
$L = 800$
<hr/>
$v = ?$

- 1.
- 2.
- 3.
- 4.



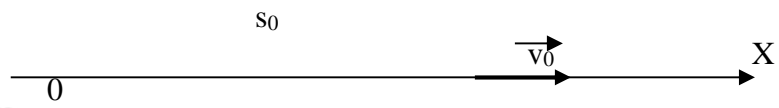
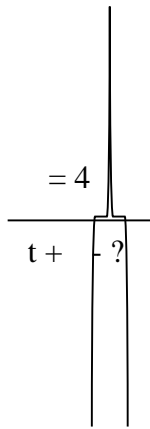
3.

$t_1 = 80^{\circ}\text{C}$
$t_2 = 20^{\circ}\text{C}$
$t = 10^{\circ}\text{C}$
<hr/>
$t_2 = ?$

$$t_2 = 2^{\circ}\text{C}$$

4.

$$y = \frac{mgh_1}{mgh}, \quad h -$$



1. 2.

3. : $0 = v_0 t -$
 $0 = 8a + 4at - t^2 - 8t - 16 = 0; t = 9,7 \text{ c}; t + = 13,7 \text{ c}$

: 13,7