

1.

$V_2$ ,  $V_3$ ,  $V_1$ ,  $l_1$ ,  $l_2$ ,  $l_1$ ,  $l_2$ ,

$$t = \frac{l_1 - l_2}{V_1 + V_2} \cdot V_3$$

$$S = \frac{l_1 - l_2}{V_1 + V_2} \cdot V_3$$

2.

350, 600, 4200, 15, ?

$$Q = Q$$

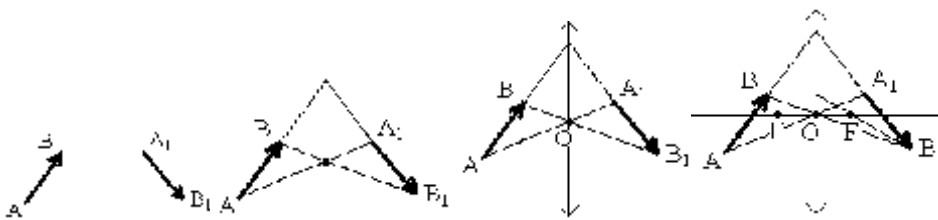
$$Pt = cm\Delta t$$

$$\Delta t = \frac{Pt}{cm} = \frac{350 \cdot 15}{4200 \cdot 0,6} = 2 \text{ } ^\circ\text{C}$$

3.

1 1

:

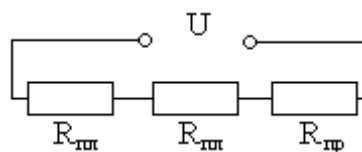
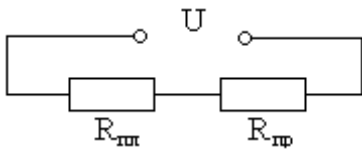


4.

60

, 40 .

?



$$U = U - U_1$$

$$U = 20B$$

$$\frac{U}{U} = 2, \dots I = I, \quad \frac{R}{R} = 2$$

$$U_2 + U_2 + U = U$$

$$\dots R = 2R, \quad U_2 = 2U$$

$$5U = 60$$

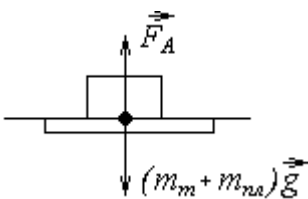
$$U = 12B, \quad U_2 = 24B$$

5.

800 / 3,

0,3<sup>3</sup>, ?  
1000 / 3.

75 .



$$(m + m)g = \dots gV$$

$$m + m = \dots V$$

$$V = 10V_0$$

$$m = V\dots$$

$$m = Nm$$

$$Nm + 10V_0\dots = 10V_0\dots$$

$$N = \frac{10V_0(\dots - \dots)}{m} = \frac{10 \cdot 0,3 \cdot (1000 - 800)}{75} = 8$$