

Внедрение аммиака и азотных удобрений по проекту

N1.

$$AB = 50 \mu, CA = 40 \mu \Rightarrow BC = \sqrt{50^2 - 40^2} = 30 \mu$$
$$v_{AB} = \frac{50}{5a} = \frac{10}{a}, \quad v_{BC} = \frac{30}{6a} = \frac{5}{a}, \quad v_{CA} = \frac{40}{8a} = \frac{5}{a}$$

$$\frac{5}{a} = 2,5 \mu/c, \quad a = 2c \Rightarrow v_{AB} = \frac{10}{2} = 5 \mu/c$$

$$t_{AB} = \frac{50}{5} = 10c, \quad t_{BC} = \frac{30}{2,5} = 12c, \quad t_{CA} = \frac{40}{2,5} = 16c$$

$$t = 10 + 12 + 16 = 38c$$

1) $AB = 50 \mu, BC = 30 \mu, CA = 40 \mu$

2) AB

3) $v = 5 \mu/c$

4) $t = 38c$

40

N2.

$$10m \cdot t \cdot g + m \cdot 2t \cdot g + 2m \cdot 1,5t \cdot g = x \cdot 3t \cdot g$$

$$10m + 2m + 3m = 3x$$

$$3x = 15m$$

$$x = 5m$$

Ответ: $5m$

105.

N.3

Dano:

$$m = 0,5 \text{ kg}$$

$$t_1 = 20^\circ$$

$$t_2 = 100^\circ$$

$$N = 400 \text{ Bm}$$

$$c = 4200 \frac{\text{J}}{\text{kg} \cdot \text{K}}$$

$$r = 2300000 \frac{\text{J}}{\text{kg}}$$

Penyelesaian:

$$N = \frac{Q}{t} = \frac{Q}{t}, \quad Q = Nt$$

$$Q = cm(t_2 - t_1)$$

$$Nt = cm(t_2 - t_1)$$

$$400t = 4200 \cdot 0,5(100 - 20)$$

$$t = \frac{4200 \cdot 0,5(100 - 20)}{400}$$

$$t = 420 \text{ C}$$

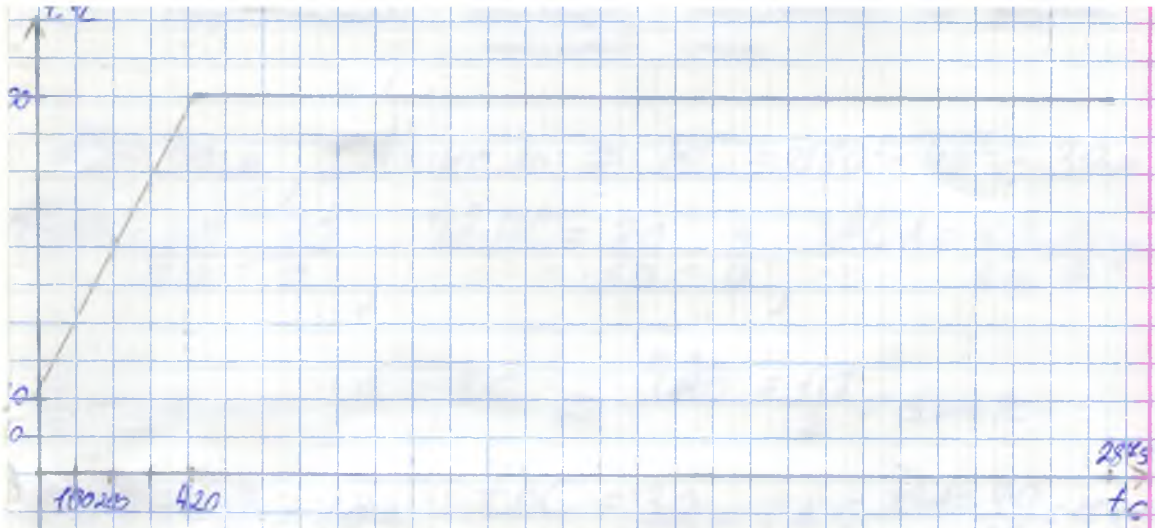
$$Q = rm$$

$$Nt = rm$$

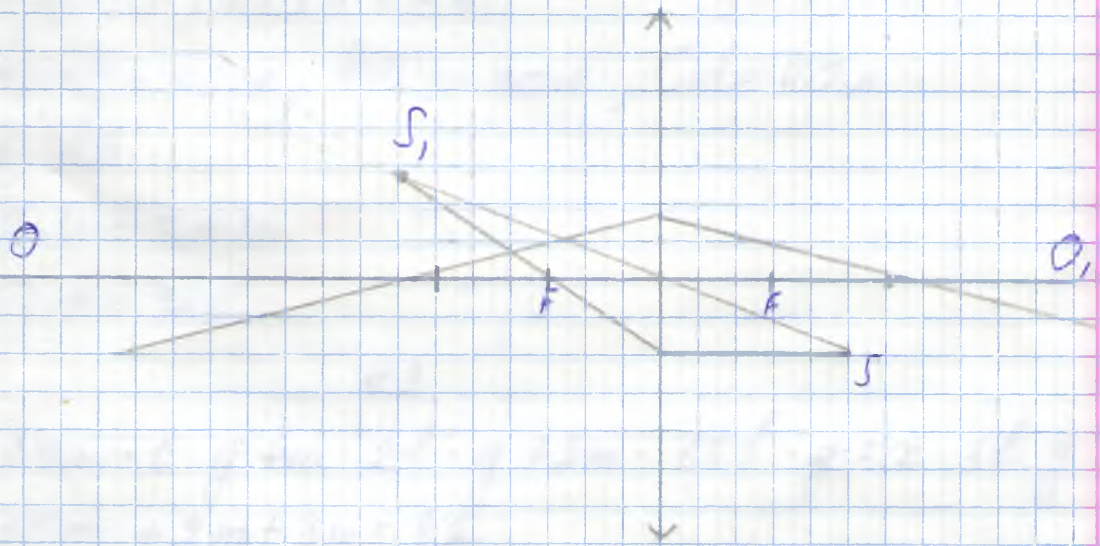
$$t = \frac{rm}{N}$$

$$t = \frac{2300000 \cdot 0,5}{400} = 2875 \text{ C}$$

105.



NS₀



15

250