

MA

Dano:  
 $t_1 = 60 \text{ sek}$   
 $t_2 = 180 \text{ sek}$   
 $t = ?$

Jumlah

$$60 \text{ c} = \frac{S}{v_1} \Rightarrow \frac{v_1}{S} = \frac{1}{60}$$
$$180 \text{ c} = \frac{S}{v_2} \Rightarrow \frac{v_2}{S} = \frac{1}{180}$$

$$t = \frac{S}{v_1 + v_2}$$

$$\frac{1}{t} = \frac{1}{60} + \frac{1}{180} = \frac{4}{180}$$

95

$$t = \frac{180}{4} = 45$$

Answer: 45 s

$$2 = v_1 t$$

$$2 = (v_1 + v_2) t$$

$$2 = v_2 t$$

$$t = \frac{t_1 t_2}{t_1 + t_2}$$

85.

$$t_1 = 43 \text{ c}$$

N3

Given:

$$M = 10 \text{ kg}$$

$$v = 34000 \text{ cm/s}$$

$$\lambda = 340000 \frac{\text{cm}}{\text{s}}$$

$m = ?$

$$Q_2 = mc \Delta t$$

$$Q_2 = mc (t_2 - t_1)$$

$$Q_2 = \lambda m$$

$$Q_2 = c M \Delta t$$

35.

N4

$$R = R_1 + R_2 + R_3 + \dots$$

$$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots$$

35

N5



$$m v_1 + M v_2 = (m + M) v$$

$$E_{kin} = \frac{m v^2}{2}$$

$$E_{pot} = mgh$$

Thobeneria: *[Signature]*

265

35.