

Veza puta, brzine i vremena



Goran Ivković, profesor fizike

Veza puta, brzine i vremena

PUT

s

BRZINA

v

VREME

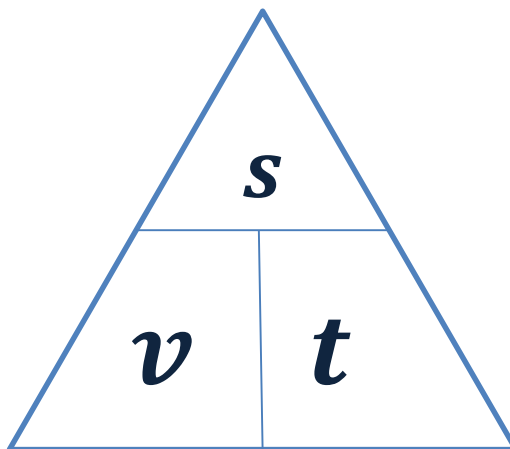
t

Sima *vozi* traktor

$$s = v \cdot t$$

$$v = \frac{s}{t}$$

$$t = \frac{s}{v}$$



~~$$v = \frac{t}{s}$$~~

~~$$t = \frac{v}{s}$$~~



Veza puta, brzine i vremena

	1. zadatak	2. zadatak	3. zadatak
S (m)	100	50	80
v ($\frac{m}{s}$)	20	2	8
t (s)	5	25	10

1. zadatak

$$v = 20 \frac{m}{s}$$

$$t = 5s$$

$$S = ?$$

$$S = v \cdot t$$

$$S = 20 \frac{m}{s} \cdot 5s$$

$$S = 100 m$$

2. zadatak

$$S = 50 m$$

$$t = 25s$$

$$v = ?$$

$$v = \frac{S}{t}$$

$$v = \frac{50 m}{25s}$$

$$v = 2 \frac{m}{s}$$

3. zadatak

$$S = 80 m$$

$$v = 8 \frac{m}{s}$$

$$t = ?$$

$$t = \frac{S}{v}$$

$$t = \frac{80 m}{8 \frac{m}{s}}$$

$$t = 10 s$$

$$S = v \cdot t$$

$$v = \frac{S}{t}$$

$$t = \frac{S}{v}$$

Delovi zadatka:

- Podaci
- Šta se traži?
- Obrazac
- Zameniti vrednosti
- Rezultat