

zad. 3/58 (c')

TORNADO

$$510 \text{ km/h} = 510\,000 \text{ m/h} \approx 142 \text{ m/s}$$

$$510 \text{ km} - 1 \text{ h}$$

$$510\,000 \text{ m} - 1 \text{ h}$$

$$510\,000 \text{ m} - 3600 \text{ s}$$

$$v = \frac{510\,000 \text{ m}}{3600 \text{ s}} =$$

$$= \frac{2550}{18} \text{ m/s} = \frac{1275}{9} \text{ m/s} =$$

$$= 141 \frac{6}{9} \text{ m/s}$$

$$\begin{array}{r} 141 \\ 1275 : 9 \\ - 9 \\ \hline 37 \\ -36 \\ \hline 15 \\ - 9 \\ \hline 6 \end{array}$$

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HALNY

$$310 \text{ km/h} = 310\,000 \text{ m/h} \approx 86 \text{ m/s}$$

$$310 \text{ km} - 1 \text{ h}$$

$$310\,000 \text{ m} - 1 \text{ h}$$

$$310\,000 \text{ m} - 3600 \text{ s}$$

$$\begin{array}{r} 86 \\ 775 : 9 \\ - 72 \\ \hline 55 \\ -54 \\ \hline 1 \end{array}$$

$$v = \frac{310\,000 \text{ m}}{3600 \text{ s}} = \frac{1550}{18} \text{ m/s} =$$

$$= \frac{775}{9} \text{ m/s} = 86 \frac{1}{9} \text{ m/s} \approx 86 \text{ m/s}$$

## POWIEŃ

$$5 \frac{\text{km}}{\text{h}} = 5000 \frac{\text{m}}{\text{h}} \approx 1 \frac{\text{m}}{\text{s}}$$

$$5 \text{ km} - 1 \text{ h}$$

$$5000 \text{ m} - 1 \text{ h}$$

$$5000 \text{ m} - 3600 \text{ s}$$

$$v = \frac{5000 \text{ m}}{3600 \text{ s}} = \frac{25 \text{ m}}{18 \text{ s}} = 1 \frac{7}{18} \frac{\text{m}}{\text{s}} \approx 1 \frac{\text{m}}{\text{s}}$$

## TAJFUN

$$85 \frac{\text{m}}{\text{s}} = 306000 \frac{\text{m}}{\text{h}} = 306 \frac{\text{km}}{\text{h}}$$

$$\begin{array}{r} 85 \\ \cdot 3600 \\ \hline 510 \\ + 255 \\ \hline 306000 \end{array}$$

$$85 \text{ m} - 1 \text{ s}$$

$$85 \text{ m} - \frac{1}{3600} \text{ h}$$

$$v = 85 \text{ m} : \frac{1}{3600} \text{ h} = 85 \cdot 3600 \frac{\text{m}}{\text{h}} = 306000 \frac{\text{m}}{\text{h}}$$

$$306000 \text{ m} - 1 \text{ h}$$

$$306 \text{ km} - 1 \text{ h}$$

## HURAGAN

$$78 \text{ m/s} = 4680 \text{ m/min}$$

$$78 \text{ m} - 1 \text{ s}$$

$$78 \text{ m} - \frac{1}{60} \text{ min}$$

$$v = 78 \text{ m} : \frac{1}{60} \text{ min} = 78 \cdot 60 \text{ m/min} = \\ = 4680 \text{ m/min}$$

$$4680 \text{ m} - 1 \text{ min}$$

$$4,68 \text{ km} - \frac{1}{60} \text{ h}$$

$$v = 4,68 \text{ km} : \frac{1}{60} \text{ h} = 4,68 \cdot 60 \text{ km/h} = \\ = 280,8 \text{ km/h} \approx 281 \text{ km/h}$$

$$\begin{array}{r} 4,68 \\ - \quad 60 \\ \hline 280,80 \end{array}$$

## HURAGAN

$$78 \text{ m/s} = 4680 \text{ m/min}$$

$$78 \text{ m} - 1 \text{ s}$$

$$78 \text{ m} - \frac{1}{60} \text{ min}$$

$$v = 78 \text{ m} : \frac{1}{60} \text{ min} = 78 \cdot 60 \text{ m/min} = \\ = 4680 \text{ m/min}$$

$$4680 \text{ m} - 1 \text{ min}$$

$$4,68 \text{ km} - \frac{1}{60} \text{ h}$$

$$v = 4,68 \text{ km} : \frac{1}{60} \text{ h} = 4,68 \cdot 60 \text{ km/h} = \\ = 280,8 \text{ km/h} \approx 281 \text{ km/h}$$

$$\begin{array}{r} 4,68 \\ - \quad 60 \\ \hline 280,80 \end{array}$$