

Príma a nepríma úmernosť

1. a) $\begin{array}{l} \uparrow 600 \text{ l} \dots 5 \text{ min} \uparrow \\ \uparrow 1500 \text{ l} \dots x \text{ min} \uparrow \end{array}$ b) $\begin{array}{l} \uparrow 5 \text{ min} \dots 600 \text{ l} \uparrow \\ \uparrow 30 \text{ min} \dots x \text{ l} \uparrow \end{array}$

7 $1500 : 600 = x : 5$
 $\frac{1500}{600} \cdot 5 = x$
 $12,5 \text{ l} = x$

7 $30 : 5 = x : 600$
 $\frac{30}{5} \cdot 600 = x$
 $3600 \text{ l} = x$

2. a) $\begin{array}{l} \downarrow 2 \text{ písarky} \dots 4 \text{ h} \uparrow \\ \downarrow 4 \text{ št. vyh. písarky} \dots x \uparrow \end{array}$

N $2 : 4 = x : 4$
 $2 : 4 \cdot 4 = x$
 $2 \text{ h} = x$

b) $\begin{array}{l} \downarrow 4 \text{ h} \dots 2 \text{ pís.} \uparrow \\ \downarrow 1 \text{ h} \dots x \text{ pís.} \uparrow \end{array}$

N $4 : 1 = x : 2$
 $\frac{4}{1} \cdot 2 = x$
 $8 \text{ pís.} = x$

3. a) $\begin{array}{l} \uparrow 50 \text{ min} \dots 10 \text{ km} \uparrow \\ \uparrow 90 \text{ min} \dots x \text{ km} \uparrow \end{array}$

7 $90 : 50 = x : 10$
 $\frac{90}{50} \cdot 10 = x$
 $18 \text{ km} = x$

b) $\begin{array}{l} \uparrow 10 \text{ km} \dots 50 \text{ min} \uparrow \\ \uparrow 42,2 \text{ km} \dots x \text{ min} \uparrow \end{array}$

7 $42,2 : 10 = x : 50$
 $\frac{42,2}{10} \cdot 50 = x$
 $211,0 \text{ min} = x$
 $3 \text{ h } 31 \text{ min} = x$

4. a) $\begin{array}{l} \uparrow 3 \text{ čok} \dots 255,- \uparrow \\ \uparrow 5 \text{ čok} \dots x,- \uparrow \end{array}$

7 $5 : 3 = x : 255$
 $\frac{5}{3} \cdot 255 = x$
 $425 = x$

b) $\begin{array}{l} \uparrow 255,- \dots 3 \text{ čokol.} \uparrow \\ \uparrow 930,- \dots x \text{ čokol.} \uparrow \end{array}$

7 $930 : 255 = x : 3$
 $\frac{930}{255} \cdot 3 = x$
 $\frac{930}{85} = x$
 $\frac{186}{17} = x$
 $10 \frac{16}{17} = x$

5. a) $\begin{array}{l} \uparrow 100 \text{ km} \dots 8 \text{ l} \uparrow \\ \uparrow 64 \text{ km} \dots x \text{ l} \uparrow \end{array}$

7 $64 : 100 = x : 8$
 $\frac{64}{100} \cdot 8 = x$
 $\frac{128}{25} = x$
 $5 \frac{3}{25} \text{ l} = x$

b) $\begin{array}{l} \uparrow 32,- \dots 1 \text{ l} \uparrow \\ \uparrow 288,- \dots x \text{ l} \uparrow \end{array}$

7 $288 : 32 = x : 1$
 $\frac{288}{32} = x$
 $9 \text{ l} = x$