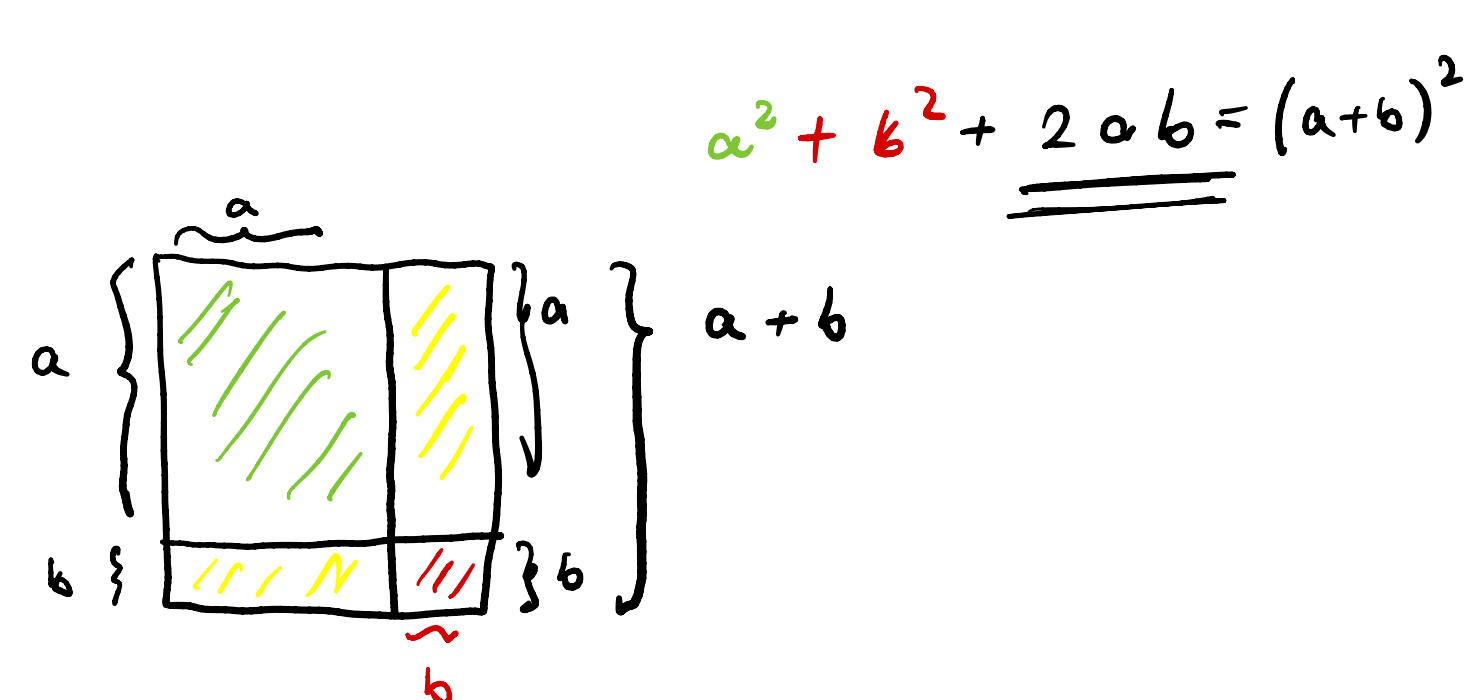




$$(a-b)^2 = a^2 - 2ab + b^2$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$\begin{array}{r l} 42 & 2 \\ 21 & 3 \\ 7 & 7 \\ 1 & \end{array}$ $42 = 2 \cdot 3 \cdot 7$	$\begin{array}{r l} 54 & 2 \\ 27 & 3 \\ 9 & 3 \\ 3 & 3 \\ 1 & 1 \end{array}$ $54 = 2 \cdot 3 \cdot 3 \cdot 3$	$42 : 6 = 7$ delib. $54 : 6 = 9$ z.
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$D(42, 54) = 2 \cdot 3 = 6$

7.2. $42 + 54 = 96 \rightarrow$ ^{1. táč} $96 \text{ kusů} > 35 \text{ kusů}$

$96 \rightarrow \begin{cases} 0 \cdot 48 \\ 0 \cdot 48 \end{cases} \text{ kusů} > 35 \text{ kusů}$

$96 \rightarrow \begin{cases} 0 \cdot 32 \\ 0 \cdot 32 \\ 0 \cdot 32 \end{cases} < 35 \text{ kusů}$

3. táč

maximál $[42 : 3 = 14 \quad 54 : 3 = 18]$

7.3

$\frac{18}{14} = \frac{9}{7}$

6. A: $18 \cdot \underbrace{\text{počet km}}_{\text{počet km}} \rightarrow 18p + 500$

B: $25 \cdot \underbrace{\text{počet km}}_{\text{počet km}} = 25 \cdot p + 320$

$$A - B = 18p + 500 - (25p + 320) =$$

$$= 18p + 500 - 25p - 320 =$$

$$= -7p + 180$$

7.3 C: $12 \cdot p + 950 \leq 18p + 500 \quad / -12p$

-500

$$950 - 500 \leq 6p$$

$$450 \leq 6p \quad / :6$$

$$75 \leq p$$

$$75 < p$$

11.6

$$144 = a^2 \quad / \sqrt{\quad}$$

$$a = 12$$

$a = 12 \text{ cm}$

$b = 5 \cdot a = 5 \cdot 12 = 60 \text{ cm}$

$12 \quad \boxed{\quad} \quad 60$

11.2 $\sigma = 2(a+b)$

$$\sigma = 2(12 + 60) = 2 \cdot 72 = 144 \text{ cm}$$

$$= 1,44 \text{ m}$$

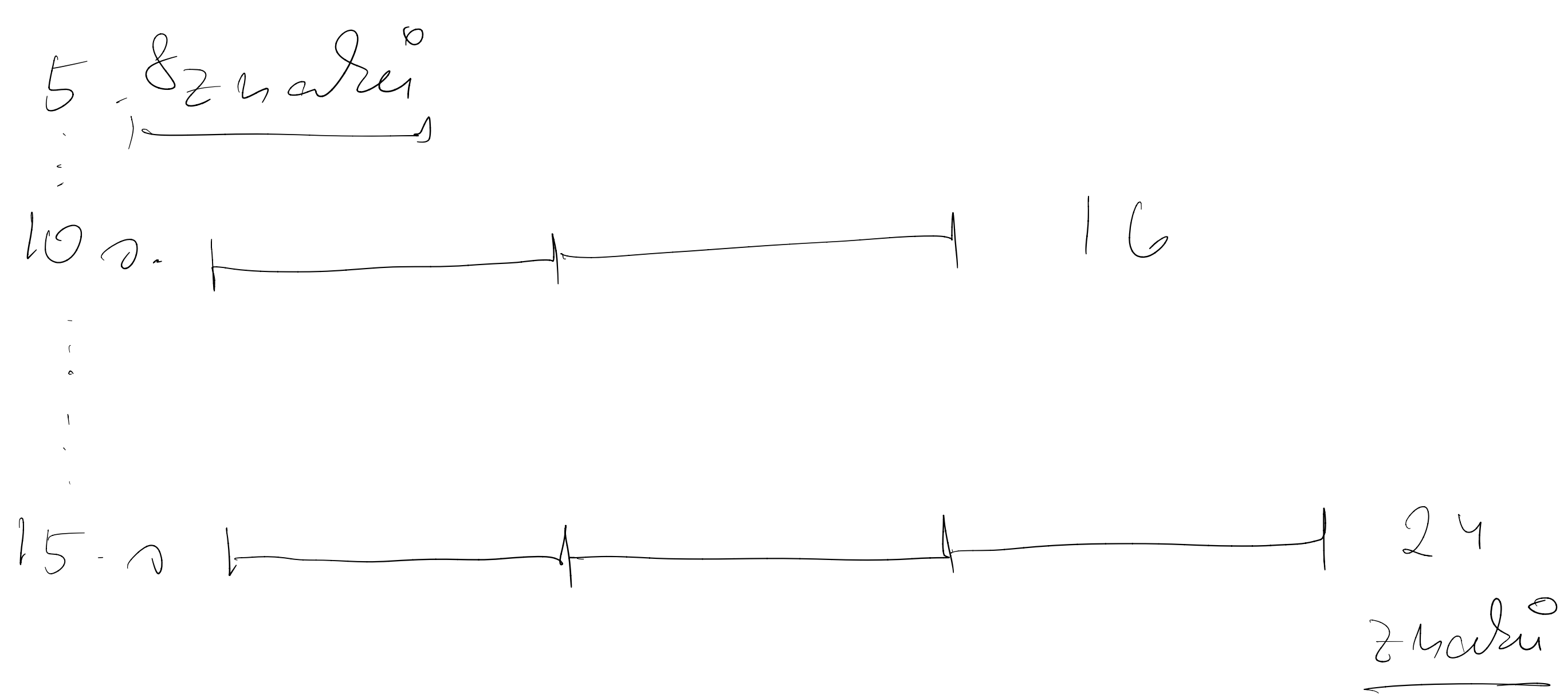
11.3. $a = 12 \xrightarrow{+\frac{1}{4}} 12 + \frac{12}{4} = 12 + 3 = 15 \text{ cm}$

$b = 60 \rightarrow 60 - \frac{60}{4} = 60 - 15 = 45 \text{ cm}$

$$\sigma = 2(a+b) = 2 \cdot (45 + 15) = 2 \cdot 60 = 120 \text{ cm} =$$

$$= 1,2 \text{ m}$$

16.1



16.2. 1 minuta = 60 s

$$60 : 5 = 12 \times$$

$12 \times$ se objíví záhl. skupina

$12 \times 3 = 36 \text{ symbolů}$

16.3

$\frac{26}{\underline{\quad}}$	$\frac{\phi}{\downarrow}$	$\frac{\ell}{\downarrow}$	$26 : 3 = \underline{8}$	$\frac{\xi\xi}{\downarrow}$
$8 \cdot 4$	$8 \cdot 1$	$\& \text{ záhlacích skupin}$		
<u>32</u>				

$$26 : 32 : 8$$

$$13 : 16 : 4$$