

1. $18 \text{ kg} \cdot 5\% = 3,2\% (18 \text{ kg} + x)$

$$18 \cdot 0,05 = 0,032 (18 + x)$$

$$0,9 = 0,576 + 0,032x$$

$$0,032x = 0,9 - 0,576$$

$$x = \frac{0,324}{0,032}$$

$$\underline{\underline{x = 10,125}}$$

treba priliat
10,125 litra

3.

$$3x + 26 = 10$$

$$3x = 36$$

$$\underline{\underline{x = 12}}$$

maximálny počet
študentov je 12

4.

$$\frac{1}{A}(A - 64) = 9$$

$$A - 64 = 9A$$

$$8A = -64$$

$$\underline{\underline{A = -8}}$$

hodnota A je -8.

MTH155 - Domáce zadanie 4 - Skupina 2 - Týždeň 4

2. Ondrej 100% 3,5h
 Patrik 100% 5,5h

$$1 = \left(\frac{1}{3,5} + \frac{1}{5,5} \right) t$$

$$1 = \frac{3,5 + 5,5}{19,25} t$$

$$1 = \frac{9}{19,25} t$$

$$1 = 0,4675 t$$

$$t = \frac{1}{0,4675}$$

$$t = \underline{\underline{2,14}}$$

$$0A = 2S + xE$$

$$2E = xE$$

$$\underline{\underline{S = x}}$$

$$E = (10 - A) \frac{1}{A}$$

$$AE = 10 - A$$

$$10 - = A8$$

$$\underline{\underline{8 - = A}}$$

8 - je A staučan