

# VIENNA HOUSE

Everybody needs  
a companion...

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Pułaski 6

A. .... Amickino číslo

M. .... Myrickino č.

Vieme:

①  $A^2 = 100M^2$

②  $A + M - 18 = \frac{A}{2}$

Najprv vezíme prvú rovnicu:

$$A^2 = 100M^2 \quad | \sqrt{\phantom{x}}$$

$$\sqrt{A^2} = \sqrt{100M^2}$$

$$A = 10M$$

Teraz vezíme druhú a namiesto A dosadíme  $10M$ :

$$A + M - 18 = \frac{A}{2}$$

$$10M + M - 18 = \frac{10M}{2}$$

$$11M - 18 = 5M \quad | -5M$$

$$6M - 18 = 0$$

$$6M = 18 \quad | :6$$

$$M = 3$$

$$A = 10M = 10 \cdot 3 = 30$$

$$M = 3$$

$$A = 30$$