6. Učenici su proučavali Stari Grad u Krapini. Prema legendi, u zidine te zgrade zazidana je Vilina, sestra Čeha, Leha i Meha.

Učenici iz najniže točke Krapine vide Stari Grad pod kutom od 34°12'.
Na kojoj se visini nalazi Stari Grad u odnosu na najnižu točku Krapine?

(2.R)

(autor zadatka: Jelena Sajko, 4.a razred)

Rješenje:
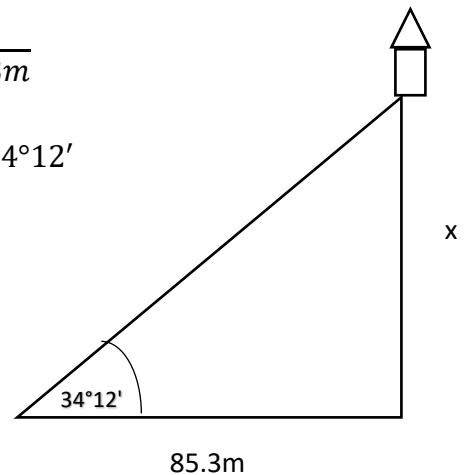
$$\tan 34°12' = \frac{x}{85{,}3m}$$

$$x = 85{,}3 \cdot \tan^{-1} 34°12'$$

$$x \approx 58m$$

x

Stari Grad nalazi se na visini od 58 metara u odnosu na najnižu točku Krapine.

34°12'

85.3m

Some pupils were exploring the 'Old town' in Krapina, which was a castle situated on a hill.
According to the legend, Vilina was built into the walls of the castle.
From the lowest point in Krapina, the Old town is visible at an anlge of 34°12'.
At what height is the Old town situated compared to the lowest point of Krapina?

(2G)

(author: Jelena Sajko, 4a grade)

Solution:

$$\tan 34°12' = \frac{x}{85{,}3m}$$

$$x = 85{,}3 \cdot \tan^{-1} 34°12'$$

$$x \approx 58m$$

x

The Old town is at the height of 58 meters in relation to the lowest point of Krapina.

Die Schüler haben die Altstadt von Krapina erkundet. Der Legende nach mauerten Čeh, Leh und Meh ihre Schwester Vilina in die Mauer ein.

Von dem niedrigsten Punkt Krapinas sieht man die Altstadt unter dem Winkel von 34°12'.

Auf welcher Höhe liegt die Altstadt in Vergleich zum niedrigsten Punkt Krapinas?

(2. Kl.)

(Autorin: Jelena Sajko, Klasse 4A)

Lösung:

$$\tan 34°12' = \frac{x}{85{,}3m}$$

$$x = 85{,}3 \cdot \tan^{-1} 34°12'$$

$$x \approx 58m$$

Die Altsadt befindet sich auf der Höhe von 58 m über dem niedrigsten Punkt Krapinas.