

16. Festival kajkavskih popevki svake se godine u rujnu održava u Krapini. Njime se zaključuje Tjedan kajkavske kulture te je jedan od najstarijih hrvatskih glazbenih festivala.

Opseg romba čija je površina 120 cm^2 , a duljina jedne dijagonale 10 cm govori ti koji je po redu Festival održan 2017.godine. (2.R)

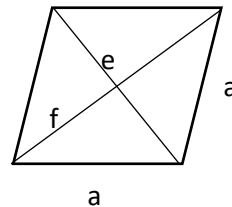
(autor zadatka: Jelena Sajko, 4.a razred)

Rješenje:

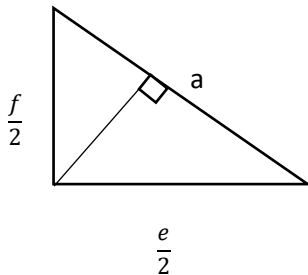
$$P = 120 \text{ cm}^2$$

$$e = 10 \text{ cm}$$

$$O = ?$$



$$P = \frac{e \cdot f}{2} \Rightarrow f = \frac{2P}{e} = 24 \text{ cm}$$



$$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2$$

$$a^2 = 25 + 144 = 169$$

$$a = 13 \text{ cm}$$

$$O = 4a = 4 \cdot 13 = 52 \text{ cm}$$

2017.godine održan je 52. Festival kajkavskih popevki u Krapini.

“Festival kajkavskih popevki” (a local festival of folk songs) is held in September every year. It concludes the week of kajkavian culture. It is one of the oldest Croatian music festivals.

The perimeter of rhombus, which has the area of 120 cm² and one diagonal of 10 cm, will tell you for how many years the Festival has been around.

(2G)

(author: Jelena Sajko, 4a grade)

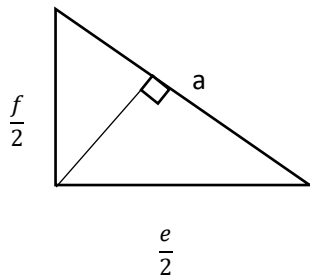
Solution:

$$P = 120\text{cm}^2$$

$$e = 10\text{cm}$$

$$O = ?$$

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The 52nd Festival kajkavskih popevki was held in 2017 in Krapina.

Das Festival der kajkawischen Lieder findet jedes Jahr im September statt. Mit ihm endet die Woche der kajkawischen Kultur und eines der ältesten kroatischen Musik-Festivale.

Der Umfang der Raute, deren Fläche 120 qcm ist, und die Länge der Diagonale 10 cm beträgt, sagt dir, welches Festival in der Reihe man im Jahr 2017 veranstaltete.

(2. Kl.)

(Autorin: Jelena Sajko, Klasse 4A)

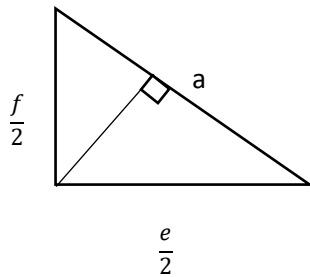
Lösung:

$$P = 120\text{cm}^2$$

$$e = 10\text{cm}$$

$$O = ?$$

$$P = \frac{e \cdot f}{2} \Rightarrow f = \frac{2P}{e} = 24 \text{ cm}$$



$$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2$$

$$a^2 = 25 + 144 = 169$$

$$a = 13 \text{ cm}$$

$$O = 4a = 4 \cdot 13 = 52 \text{ cm}$$

2017 fand das 52. Festival der kajkawischen Lieder in Krapina statt.