

Učb, str. 167, nal 3 (24.3.)

Nalogo lahko rešite na dva načina.

3a) $a = 6 \text{ cm}$

$$d = 6 \text{ cm}$$

$$\frac{r = 3 \text{ cm}}{l = ?}$$

1. način

$$l = \frac{\sigma}{2} = \frac{2\pi r}{2} = \frac{2 \cdot 3,14 \cdot 3}{2}$$

$$\underline{\underline{l = 9,42 \text{ cm}}}$$

2. način

$$r = 3 \text{ cm}$$

$$\frac{d = 180^\circ}{l = ?}$$

$$l = \frac{2\pi r d}{360^\circ}$$

$$l = \frac{2 \cdot 3,14 \cdot 3 \cdot 180^\circ}{360^\circ}$$

$$\underline{\underline{l = 9,42 \text{ cm}}}$$

3. b. 1. način

$$\frac{r = 4 \text{ cm}}{l = ?}$$

$$l = \frac{\sigma}{4} = \frac{2\pi r}{4} = ?$$

$$l = \frac{2 \cdot 3,14 \cdot 4}{4}$$

$$\underline{\underline{l = 6,28 \text{ cm}}}$$

2. način

$$r = 4 \text{ cm}$$

$$\frac{d = 90^\circ}{l = ?}$$

$$l = \frac{2\pi r d}{360^\circ}$$

$$l = \frac{2 \cdot 3,14 \cdot 4 \cdot 90^\circ}{360^\circ}$$

$$\underline{\underline{l = 6,28 \text{ cm}}}$$