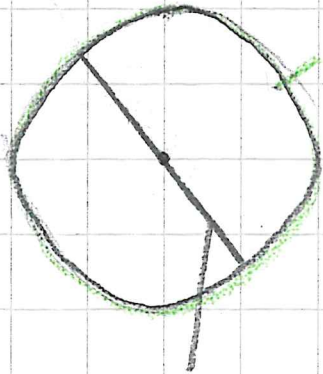


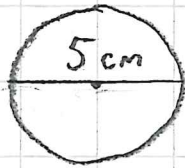
Kehän pituus eli ympyrän piirikehä (p)halkaisija d $= 2 \cdot \text{säde } (r)$

$$\frac{p}{d} = \pi = 3,14159\dots$$

(pii) $\approx \underline{3,14}$

$$p = d \cdot \pi = 2 \cdot \pi \cdot r$$

946



a) $d = 5 \text{ cm}$
 $r = \frac{5 \text{ cm}}{2} = 2,5 \text{ cm}$

$$p = 2 \cdot 3,14 \cdot 2,5 \text{ cm}$$

$$= 15,7 \text{ cm}$$

$$\approx 16 \text{ cm}$$

$$15,5 \approx 16$$

$$15,4 \approx 15$$

b) $d = 12 \text{ m}$ $r = \frac{12 \text{ m}}{2} = 6 \text{ m}$

$$p = 2 \cdot 3,14 \cdot 6 \text{ m}$$

$$= 37,68 \text{ m}$$

$$\approx 38 \text{ m}$$

c) $d = 3,5 \text{ mm}$ $r = \frac{3,5 \text{ mm}}{2} = 1,75 \text{ mm}$

$$p = 2 \cdot 3,14 \cdot 1,75 \text{ mm}$$

$$= 10,99 \text{ mm} \approx 11 \text{ mm}$$

$$d) \quad d = 80 \text{ km} \quad r = \frac{80 \text{ km}}{2} = 40 \text{ km}$$

$$\begin{aligned} p &= 2 \cdot 3,14 \cdot 40 \text{ km} \\ &= 251,2 \text{ km} \\ &\approx 250 \text{ km} \quad (\text{tai} \approx 251 \text{ km}) \end{aligned}$$

947

$$a) \quad r = 9 \text{ m}$$

$$\begin{aligned} p &= 2 \cdot 3,14 \cdot 9 \text{ m} \\ &= 56,52 \text{ m} \\ &\approx 57 \text{ m} \end{aligned}$$

$$b) \quad r = 47 \text{ mm}$$

$$\begin{aligned} p &= 2 \cdot 3,14 \cdot 47 \text{ mm} \\ &= 295,16 \text{ mm} \\ &\approx 295 \text{ mm} \end{aligned}$$

$$c) \quad r = 3,5 \text{ km}$$

S.208

$$\begin{aligned} p &= 2 \cdot 3,14 \cdot 3,5 \text{ km} \\ &= 21,98 \text{ km} \approx 22 \text{ km} \end{aligned}$$

957

$$d) \quad r = 18,7 \text{ cm}$$

958

$$\begin{aligned} p &= 2 \cdot 3,14 \cdot 18,7 \text{ cm} \\ &= 117,436 \text{ cm} \approx 117 \text{ cm} \end{aligned}$$

960