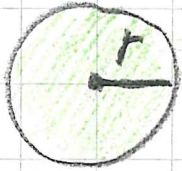


S.209

Ympyrän pinta-ala

$$A = \pi r^2$$

$$\uparrow$$

$$\approx 3,14$$

S.210

962

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

$$A = 3,14 \cdot (4 \text{ cm})^2$$

$$= 3,14 \cdot 16 \text{ cm}^2$$

$$= 50,24 \text{ cm}^2$$

$$\approx 50 \text{ cm}^2$$

$$(4 \text{ cm})^2$$

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

$$= 16 \text{ cm}^2$$

$$b) A = 3,14 \cdot (15 \text{ m})^2$$

$$= 3,14 \cdot 225 \text{ m}^2$$

$$= 706,5 \text{ m}^2$$

$$\approx 707 \text{ m}^2$$

$$c) A = 3,14 \cdot (18 \text{ mm})^2$$

$$= 3,14 \cdot 324 \text{ mm}^2$$

$$= 1017,36 \text{ mm}^2$$

$$\approx 1017 \text{ mm}^2$$

$$d) A = 3,14 \cdot (20 \text{ km})^2$$

$$= 3,14 \cdot 400 \text{ km}^2$$

$$= 1256 \text{ km}^2$$

963

a) $d = 8 \text{ m}$

$$r = \frac{8 \text{ m}}{2} = 4 \text{ m}$$

$$A = \pi r^2$$

$$\begin{aligned}
 A &= 3,14 \cdot (4 \text{ m})^2 \\
 &= 3,14 \cdot 16 \text{ m}^2 \\
 &= 50,24 \text{ m}^2 \\
 &\approx 50 \text{ m}^2
 \end{aligned}$$

b) $d = 18,4 \text{ cm}$ $r = \frac{18,4 \text{ cm}}{2} = 9,2 \text{ cm}$

$$\begin{aligned}
 A &= 3,14 \cdot (9,2 \text{ cm})^2 \\
 &= 3,14 \cdot 84,64 \text{ cm}^2 \\
 &= 265,7696 \text{ cm}^2 \\
 &\approx 266 \text{ cm}^2
 \end{aligned}$$

967

	A iso	A pini
A =	$3,14 \cdot (5 \text{ cm})^2$	$- 3,14 \cdot (2 \text{ cm})^2$
=	$3,14 \cdot 25 \text{ cm}^2$	$- 3,14 \cdot 4 \text{ cm}^2$
=	$78,5 \text{ cm}^2$	$- 12,56 \text{ cm}^2$
=	$65,94 \text{ cm}^2$	
≈	66 cm^2	

964

968

S.210