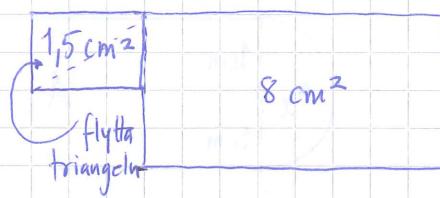
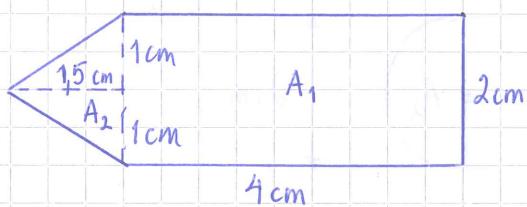


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a)



Figuren består av

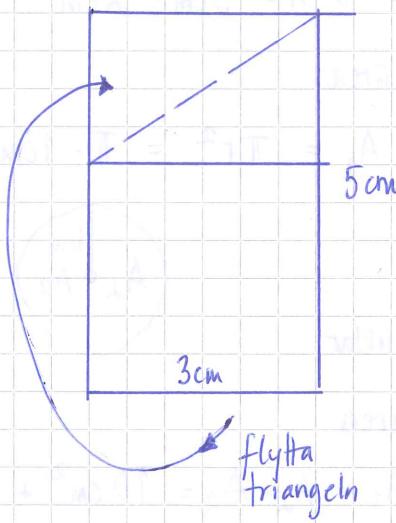
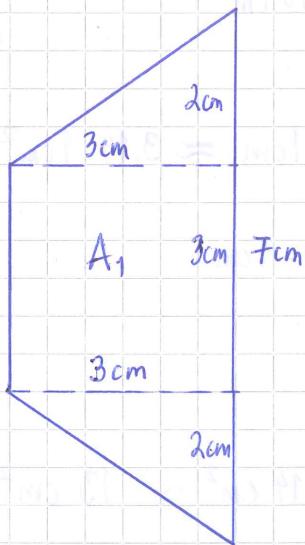
- en rektangel med arean A_1
- två trianglar med arean A_2

$$\text{Rektangel } A_1 = 4 \text{ cm} \cdot 2 \text{ cm} = 8 \text{ cm}^2$$

$$\text{Trianglar } 2 \cdot A_2 = 2 \cdot \frac{b \cdot h}{2} = 2 \cdot \frac{1.5 \text{ cm} \cdot 1 \text{ cm}}{2} = \cancel{2} \cdot \underline{1.5 \text{ cm} \cdot 1 \text{ cm}} = \cancel{2} \cdot 1.5 \text{ cm}^2 = 1.5 \text{ cm}^2$$

$$\text{Figurens area } A = A_1 + 2 \cdot A_2 = 8 \text{ cm}^2 + 1.5 \text{ cm}^2 = 9.5 \text{ cm}^2$$

b)



Figuren består av

- en rektangel med arean A_1
- två trianglar med arean A_2

$$\text{Rektangel } A_1 = b \cdot h = 3 \text{ cm} \cdot 3 \text{ cm} = 9 \text{ cm}^2$$

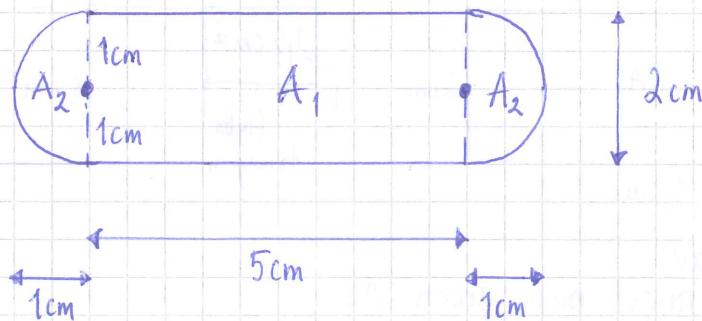
$$\text{Trianglar } 2 \cdot A_2 = 2 \cdot \frac{b \cdot h}{2} = 2 \cdot \frac{3 \text{ cm} \cdot 2 \text{ cm}}{2} = 6 \text{ cm}^2$$

$$\text{Figurens area } A = A_1 + 2 \cdot A_2 = 9 \text{ cm}^2 + 6 \text{ cm}^2 = 15 \text{ cm}^2$$

Alternativ:

$$A = b \cdot h = 3 \text{ cm} \cdot 5 \text{ cm} = 15 \text{ cm}^2$$

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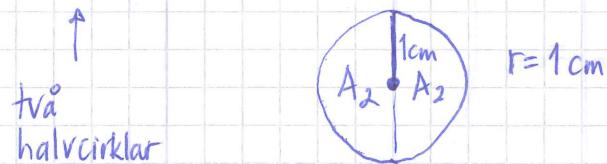
- a) Figuren består av
- en rektangel
 - två halvcirklar som tillsammans bildar en hel cirkel

b) Rektangelns area

$$A_1 = b \cdot h = 5\text{cm} \cdot 2\text{cm} = 10\text{cm}^2$$

Cirkelns area

$$A_2 + A_2 = \pi r^2 = \pi \cdot 1\text{cm} \cdot 1\text{cm} \approx 3,14 \cdot 1\text{cm}^2 = 3,14\text{cm}^2$$



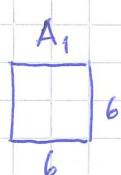
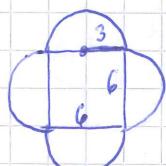
Figutens area

$$A = A_1 + A_2 + A_2 = 10\text{cm}^2 + 3,14\text{cm}^2 \approx 13\text{cm}^2$$

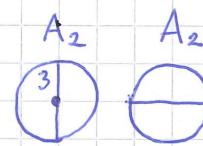
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a)

a)



kvadrat



$r = 3\text{cm}$
två cirklar

$A = \text{en kvadrat} + 2 \text{ cirklar}$

$$= A_1 + 2 \cdot A_2$$

$$= b \cdot h + 2 \cdot \pi \cdot r \cdot r$$

$$= 6\text{cm} \cdot 6\text{cm} + 2 \cdot \pi \cdot 3\text{cm} \cdot 3\text{cm}$$

$$= 36\text{cm}^2 + 2 \cdot 3,14 \cdot 9\text{cm}^2$$

$$\approx 36\text{cm}^2 + 57\text{cm}^2$$

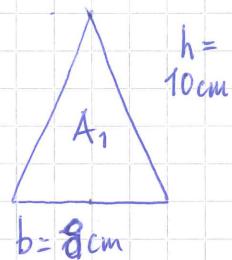
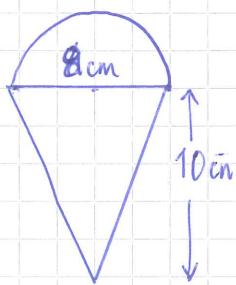
$$= \underline{\underline{93\text{cm}^2}}$$

Svar: 93cm^2

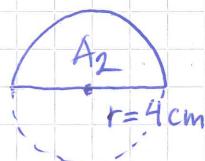
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b)

Trianglens area A_1

$$A_1 = \frac{b \cdot h}{2} = \frac{8 \text{ cm} \cdot 10 \text{ cm}}{2} = 40 \text{ cm}^2$$

Halvcirkelns area A_2
är hälften av en hel cirkel

$$\begin{aligned} A_2 &= \frac{\pi \cdot r \cdot r}{2} = \frac{3,14 \cdot 4 \text{ cm} \cdot 4 \text{ cm}}{2} \\ &= \frac{3,14 \cdot 16 \text{ cm}^2}{2} \\ &= 3,14 \cdot 8 \text{ cm}^2 \\ &\approx 25 \text{ cm}^2 \end{aligned}$$

Figurens area A

$$A = A_1 + A_2 = 40 \text{ cm}^2 + 25 \text{ cm}^2 = 65 \text{ cm}^2$$