

1)



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

$$F = a \cdot a = 6 \text{ cm} \cdot 6 \text{ cm} = 36 \text{ cm}^2$$

2)

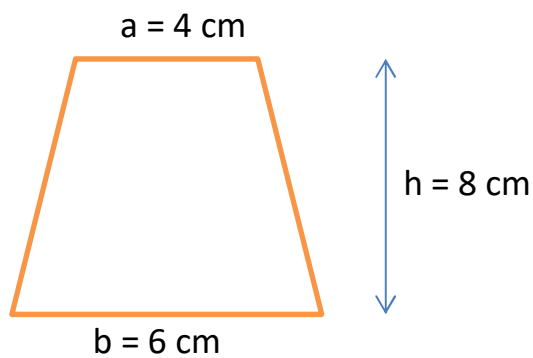


$$b = 20 \text{ cm}$$

$$a = 1 \text{ m}$$

$$F = a \cdot b = 1 \text{ m} \cdot 20 \text{ cm} = 100 \text{ cm} \cdot 20 \text{ cm} = 2.000 \text{ cm}^2$$

3)



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

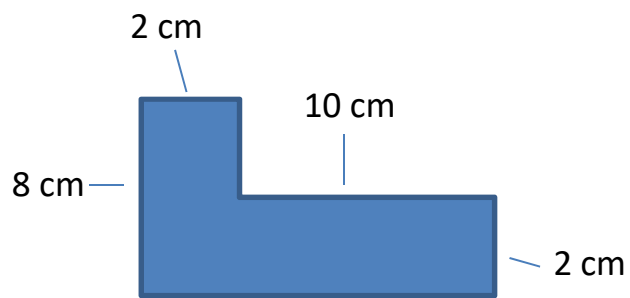
$$h = 8 \text{ cm}$$

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

$$F = \frac{1}{2} \cdot (4 \text{ cm} + 6 \text{ cm}) \cdot 8 \text{ cm}$$

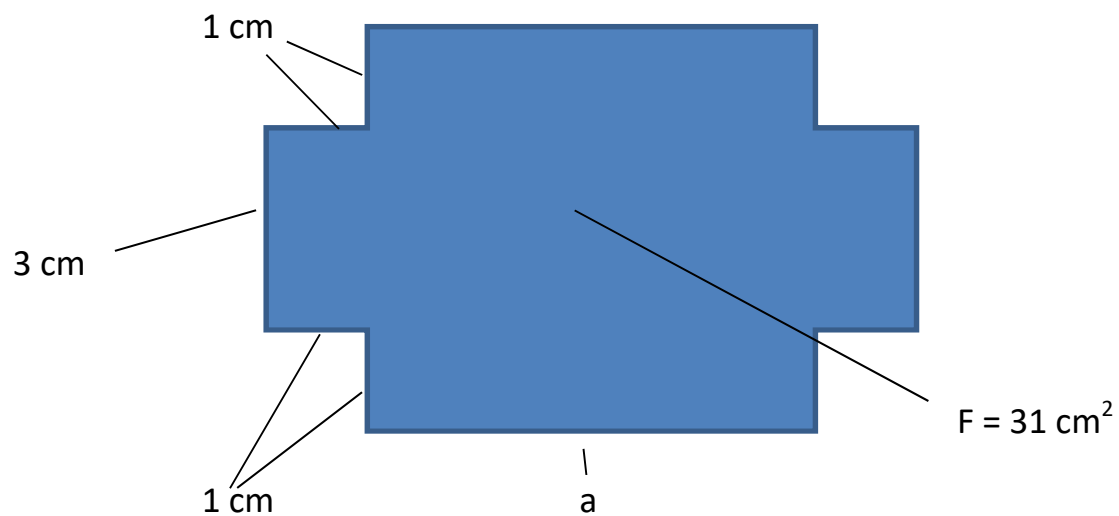
$$= 5 \text{ cm} \cdot 8 \text{ cm} = 40 \text{ cm}^2$$

4)



$$F = (8 \text{ cm} \cdot 2 \text{ cm}) + (10 \text{ cm} \cdot 2 \text{ cm}) = 16 \text{ cm}^2 + 20 \text{ cm}^2 = 36 \text{ cm}^2$$

Berechne die Länge der Seite a



$$31 \text{ cm}^2 = 2 \cdot (1 \text{ cm} \cdot 3 \text{ cm}) + a \cdot (2 \cdot 1 \text{ cm} + 3 \text{ cm})$$

$$\Rightarrow 25 \text{ cm}^2 = a \cdot 5 \text{ cm}$$

$$\Rightarrow a = 5 \text{ cm}$$