



Bundes-  
Blindeninstitut  
Wien

**LeMa**  
Lehr- und Lernmaterialien

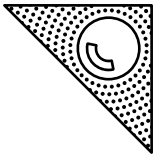
**Vergrößerte und aufbereitete Versionen  
ausgewählter Grafiken aus dem Schulbuch**

# Plus! 1 Neuaufgabe 2023



**Grafiken: Tomáš Batha**

LEMA - Lehr- und Lernmaterialien  
Hergestellt von der Abteilung für Inklusion und Lehrmittel am Bundes-Blindeninstitut Wien,  
Wittelsbachstraße 5, 1020 Wien, Tel.: 01/728 08 66-405, 406, [lmz@bbi.at](mailto:lmz@bbi.at), [www.bbi.at](http://www.bbi.at)

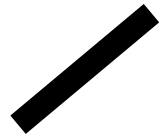


214

a)



c)



b)

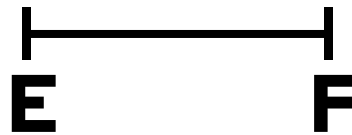


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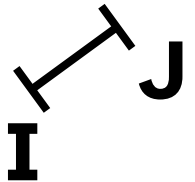


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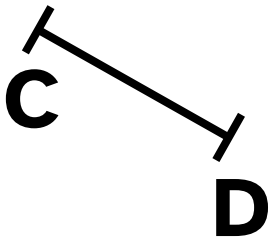
b)



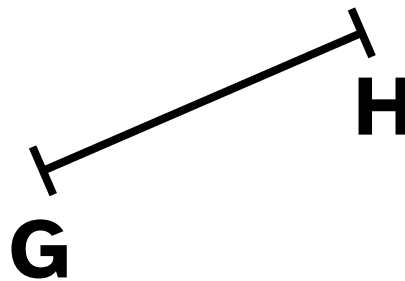
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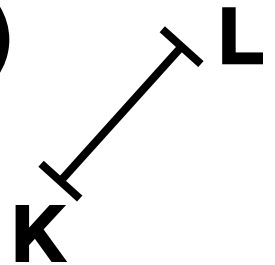
a)



c)



e)



220

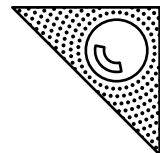
•  
A

•  
B

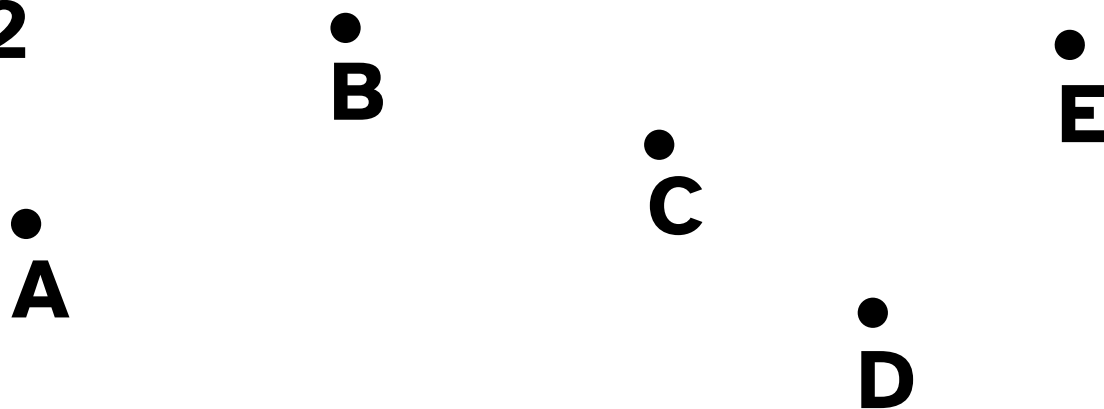
•  
C

•  
D

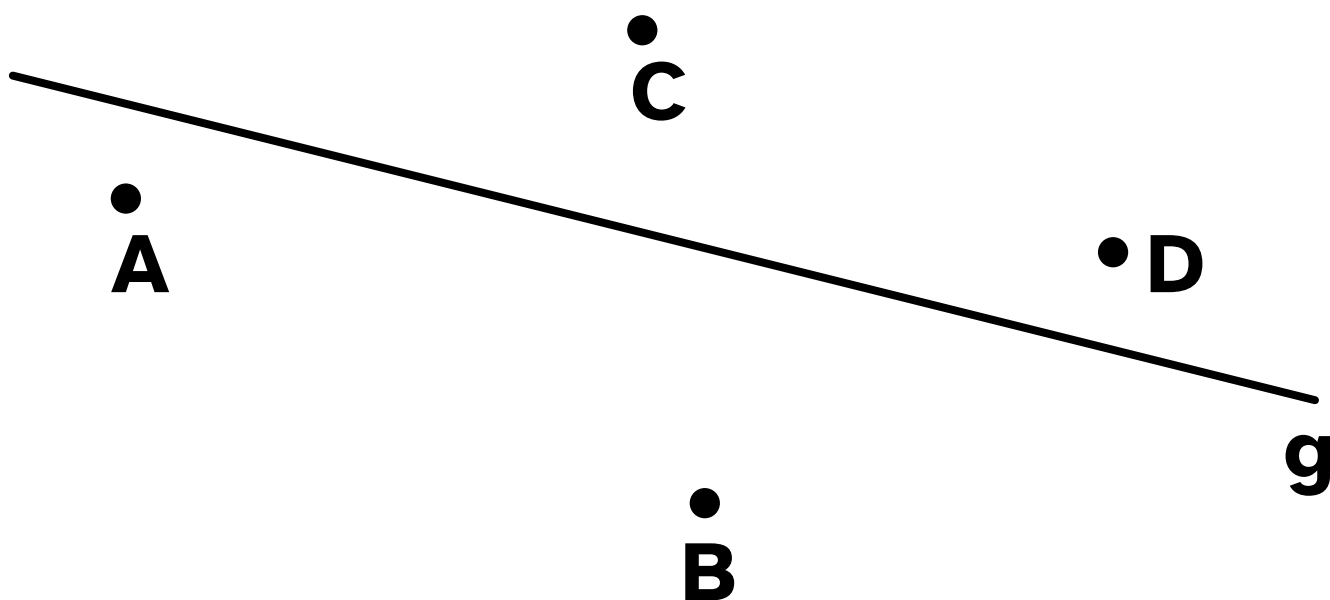
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E



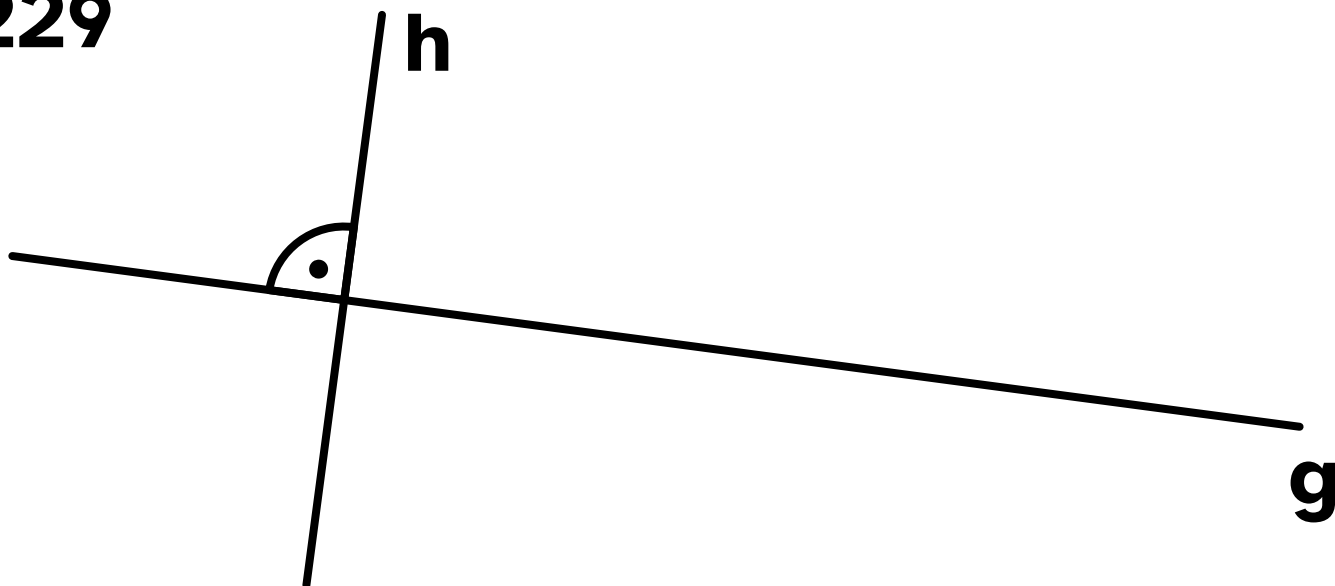
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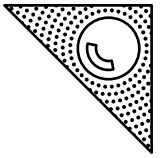


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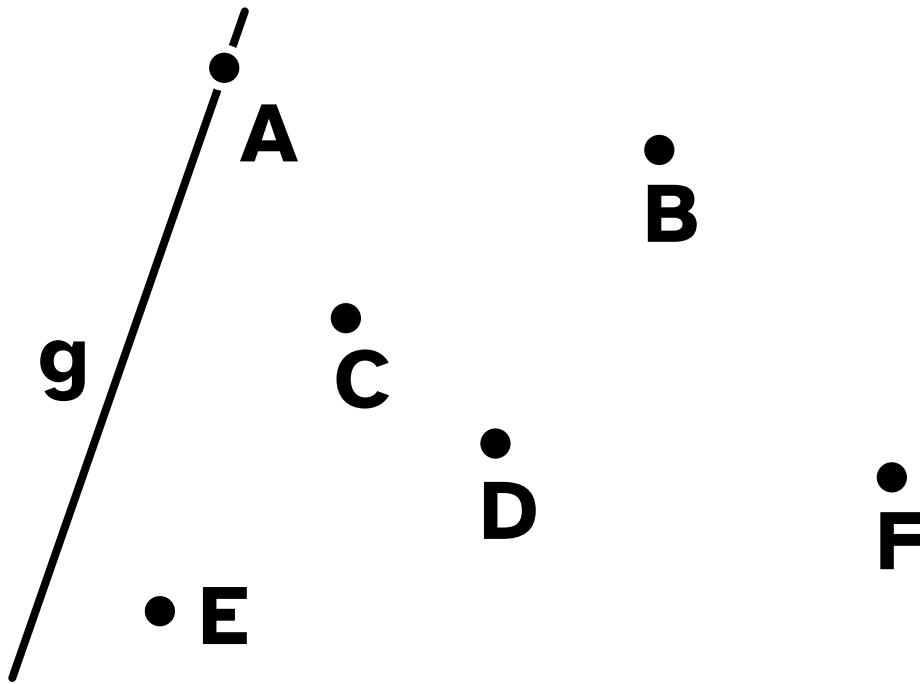


Plus1 n

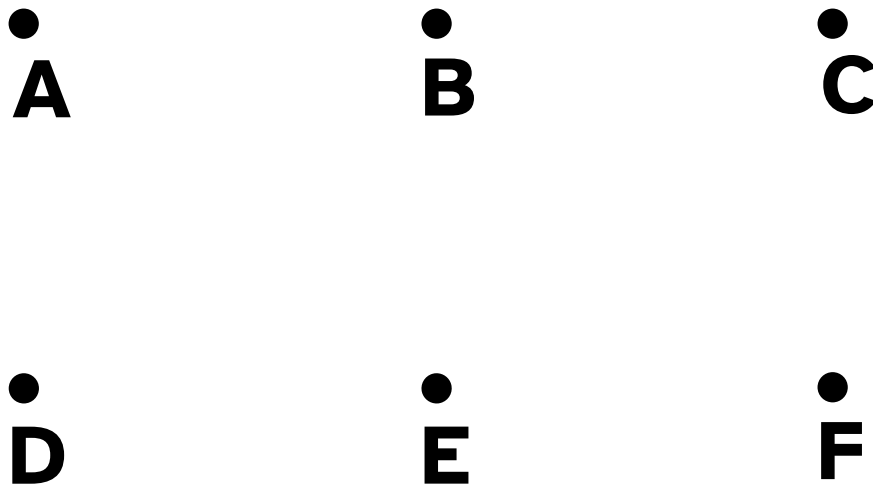
S.49-50 230-235



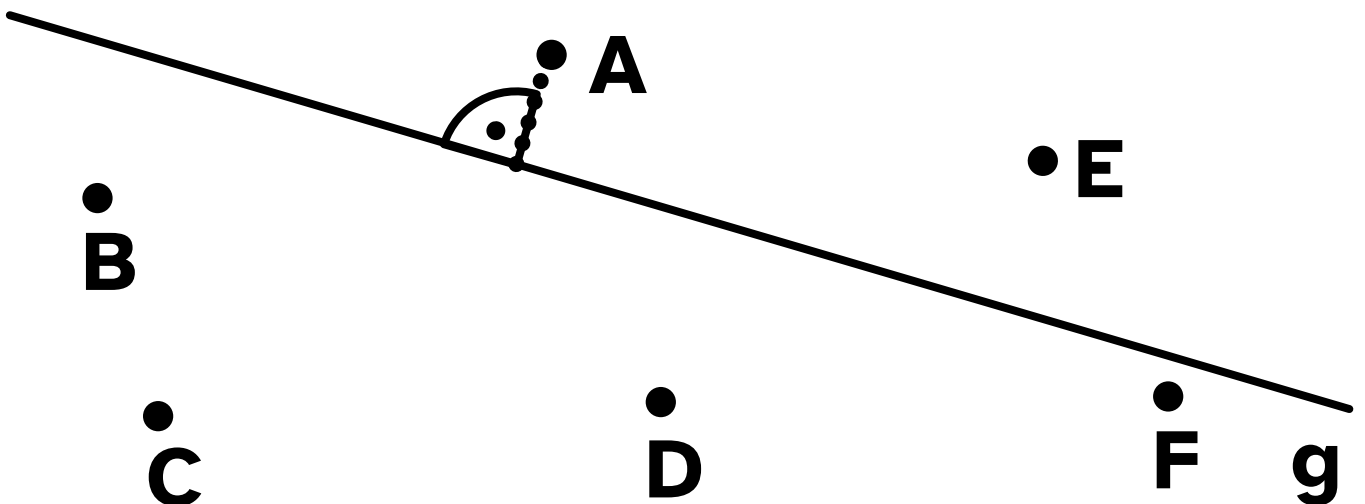
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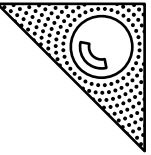
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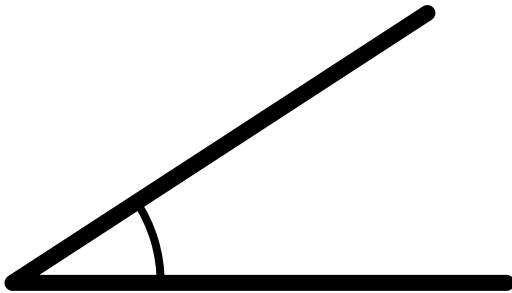
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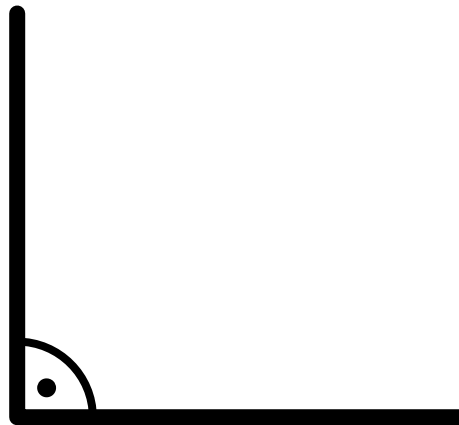


**spitzer  
Winkel**



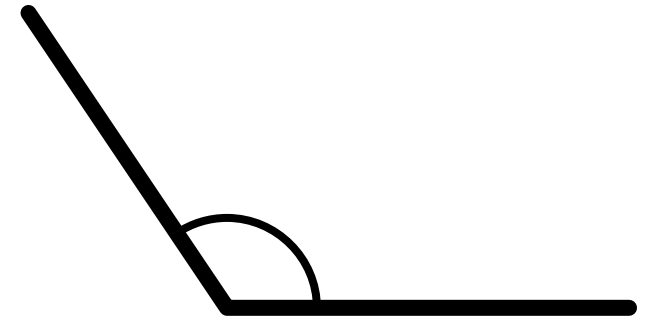
**kleiner  
als  $90^\circ$**

**rechter  
Winkel**

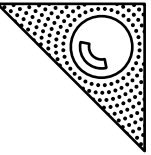


**genau  $90^\circ$**

**stumpfer  
Winkel**



**zwischen  $90^\circ$   
und  $180^\circ$**

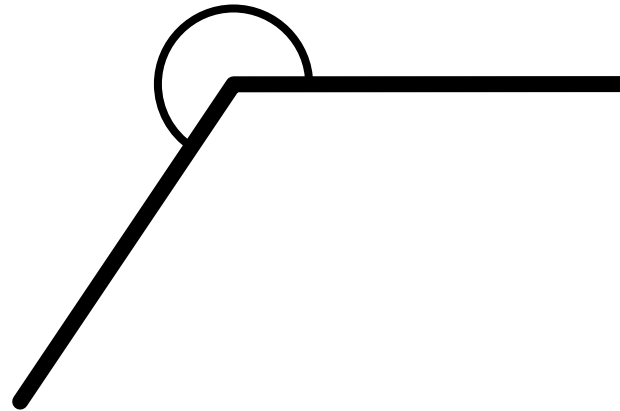


**gestreckter  
Winkel**



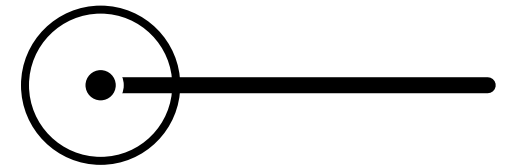
**genau  $180^\circ$**

**erhabener  
Winkel**



**zwischen  $180^\circ$   
und  $360^\circ$**

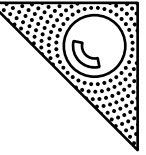
**voller Winkel**



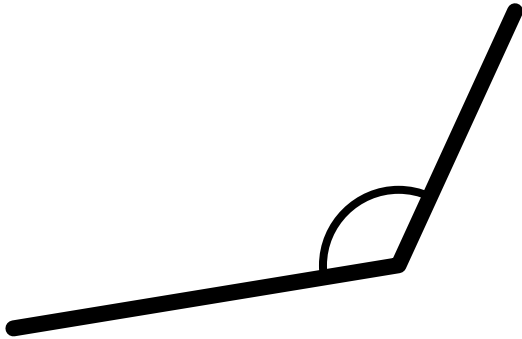
**genau  $360^\circ$**

**Plus1 n**

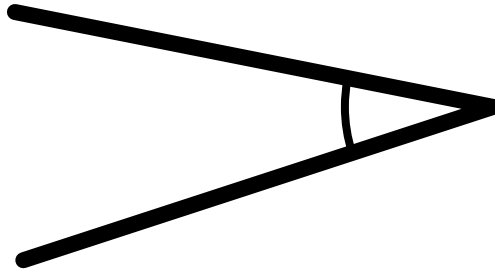
**S.51 240, 241**



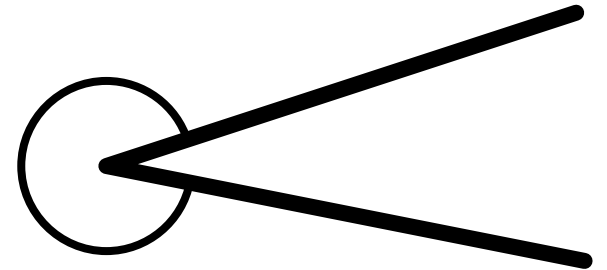
**a)**



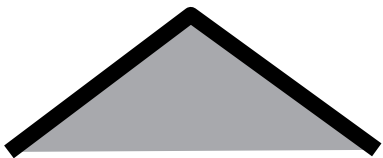
**b)**



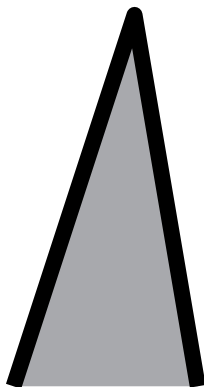
**c)**



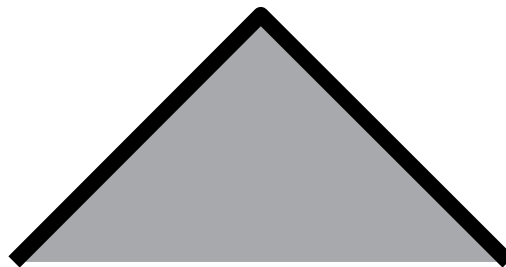
**a)**



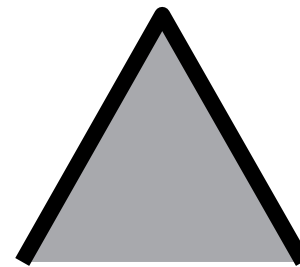
**b)**



**c)**

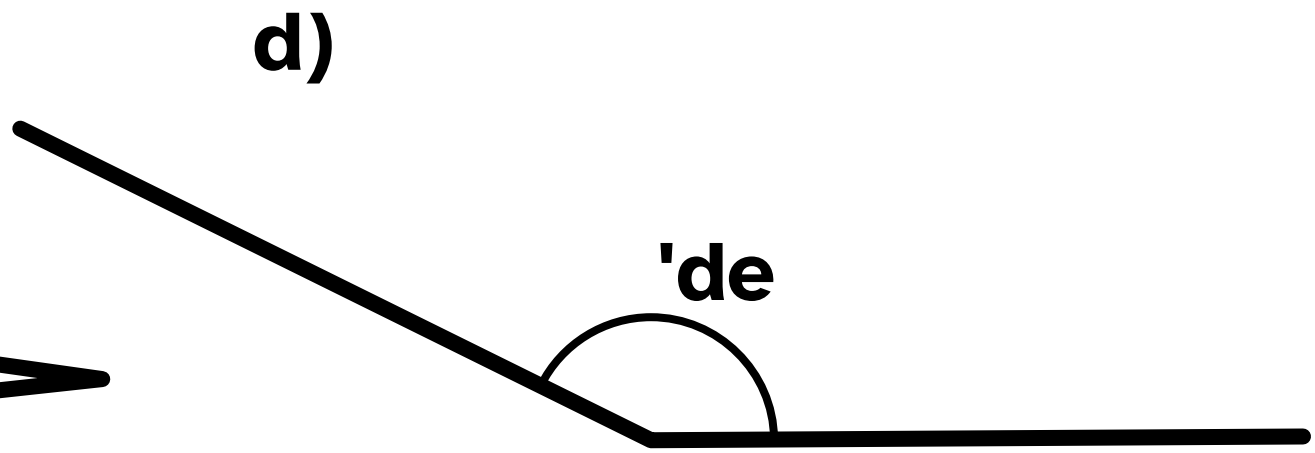
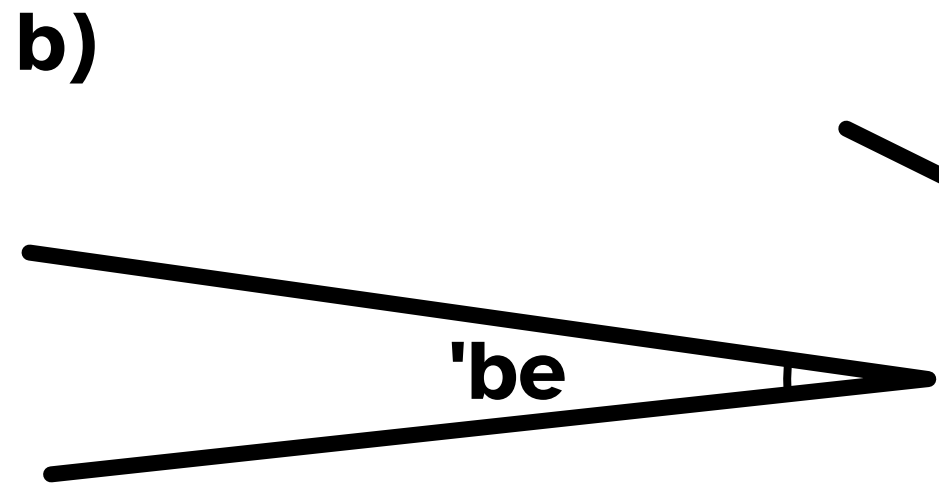
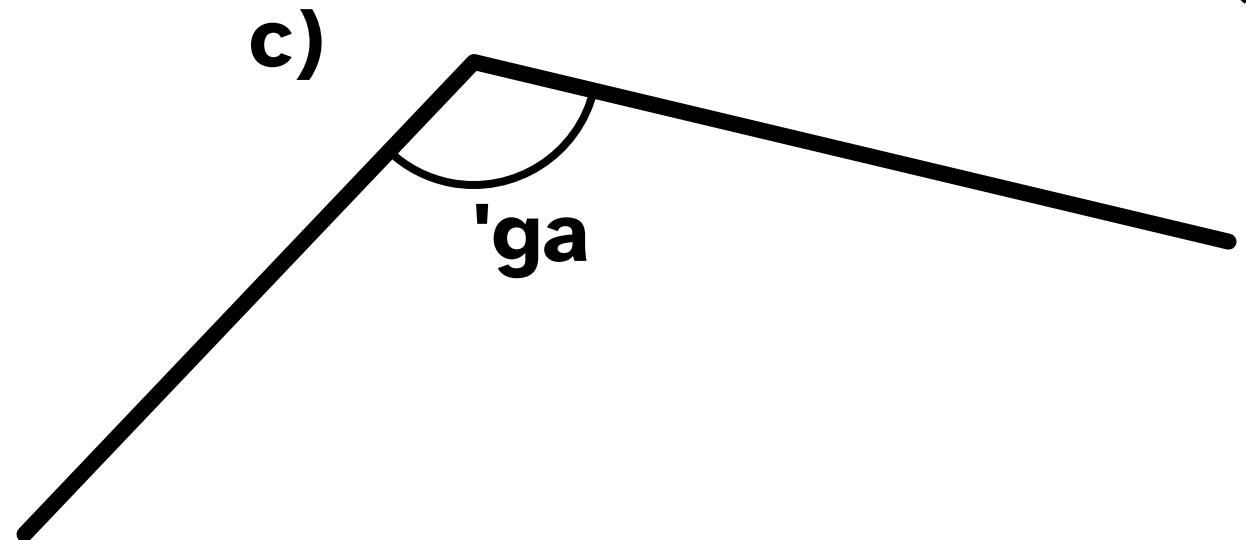
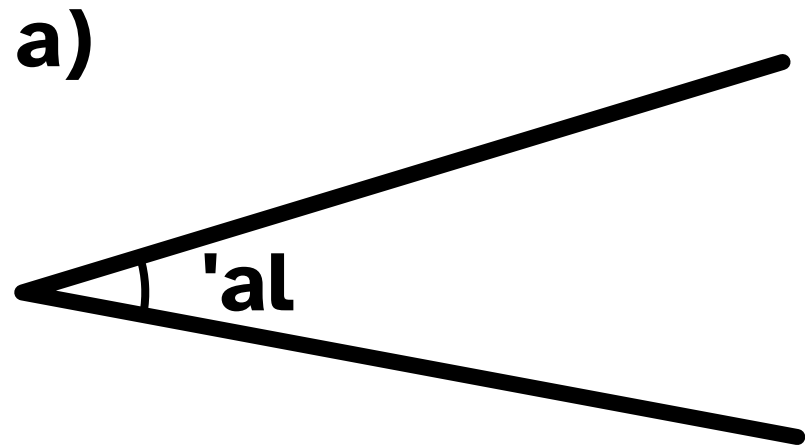
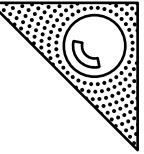


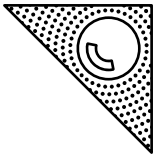
**d)**



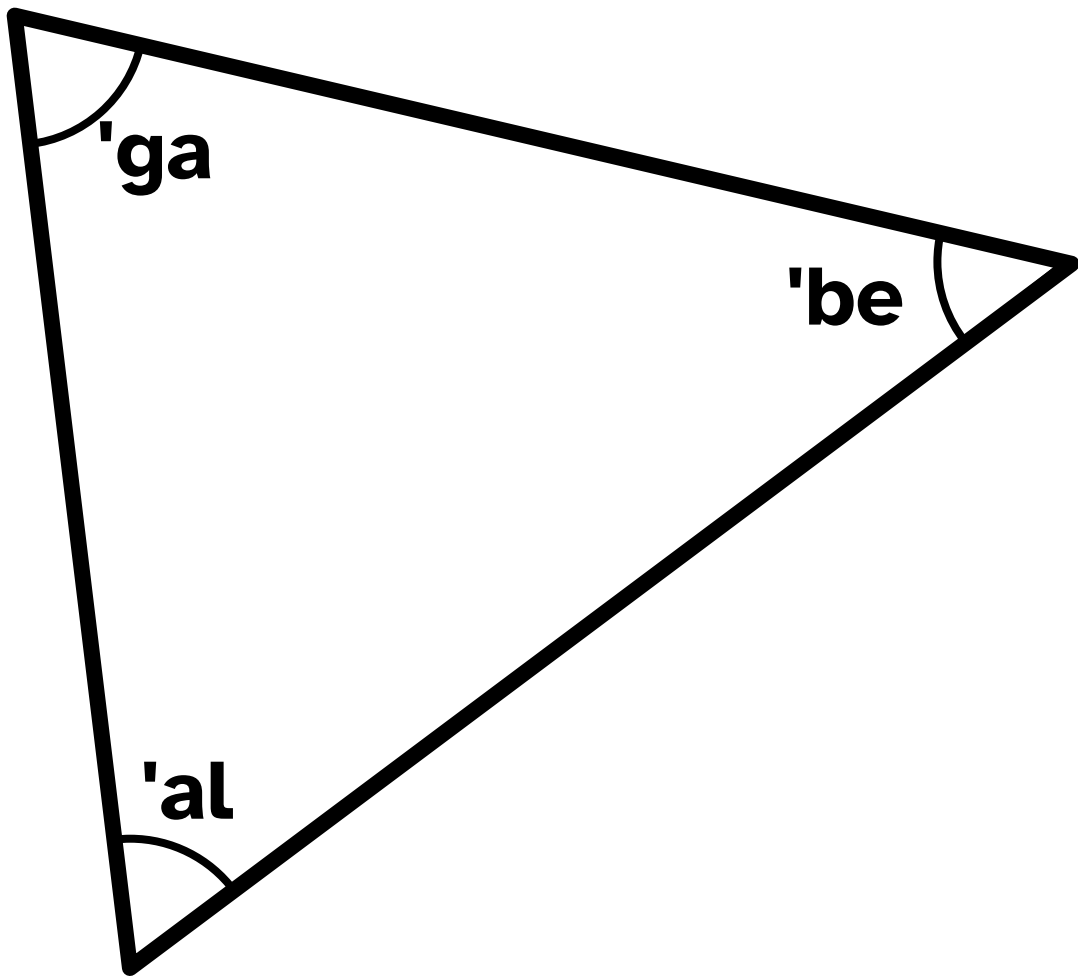
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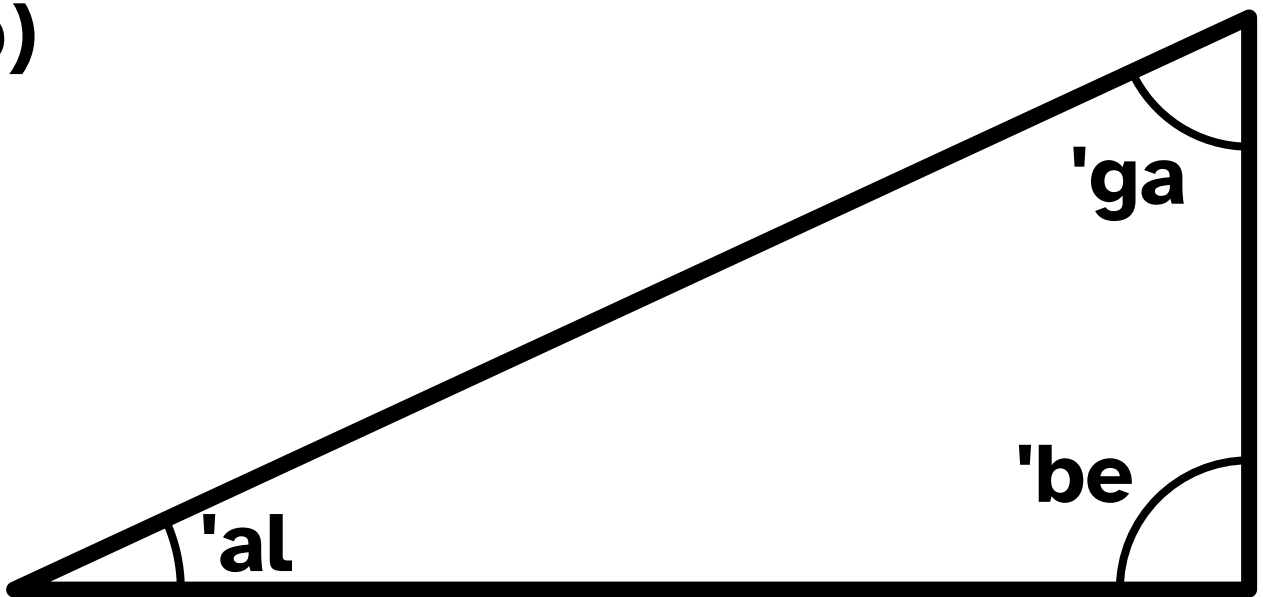


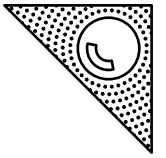


a)



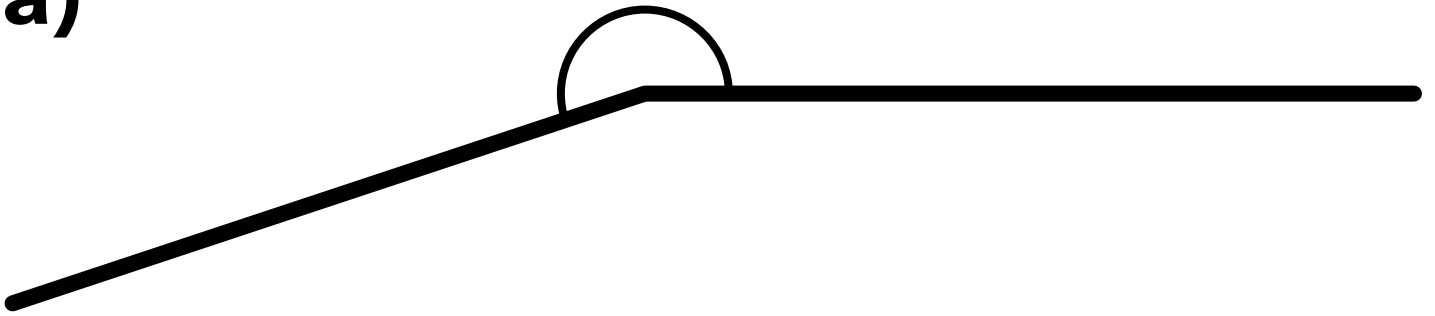
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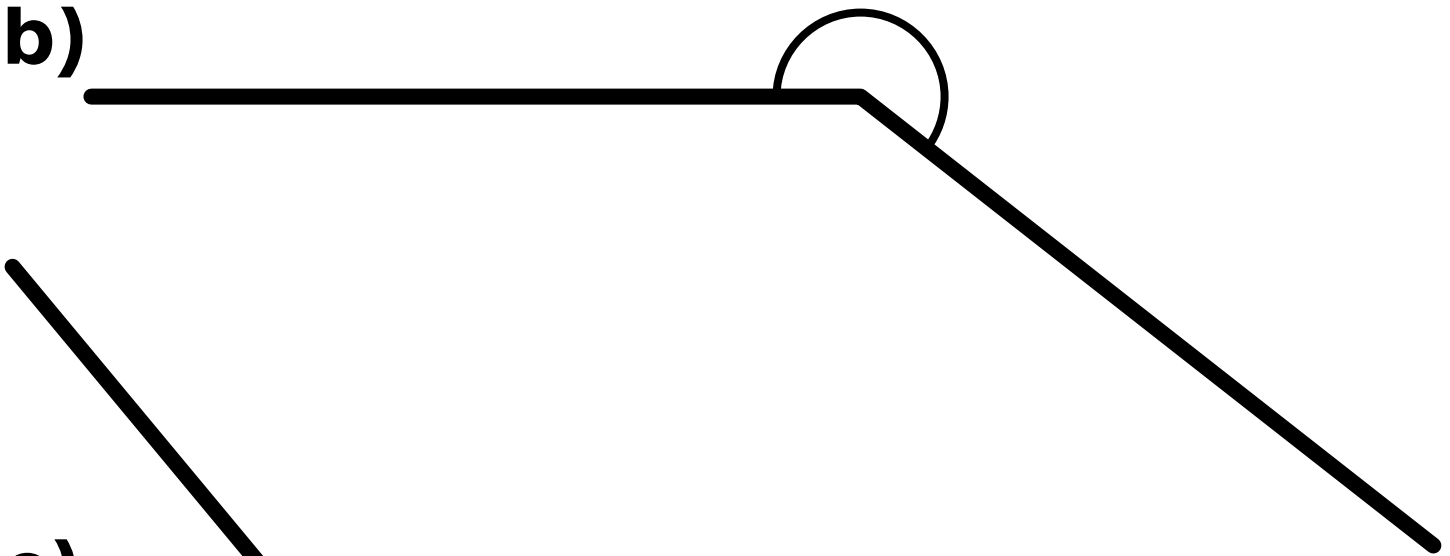
a)

'al



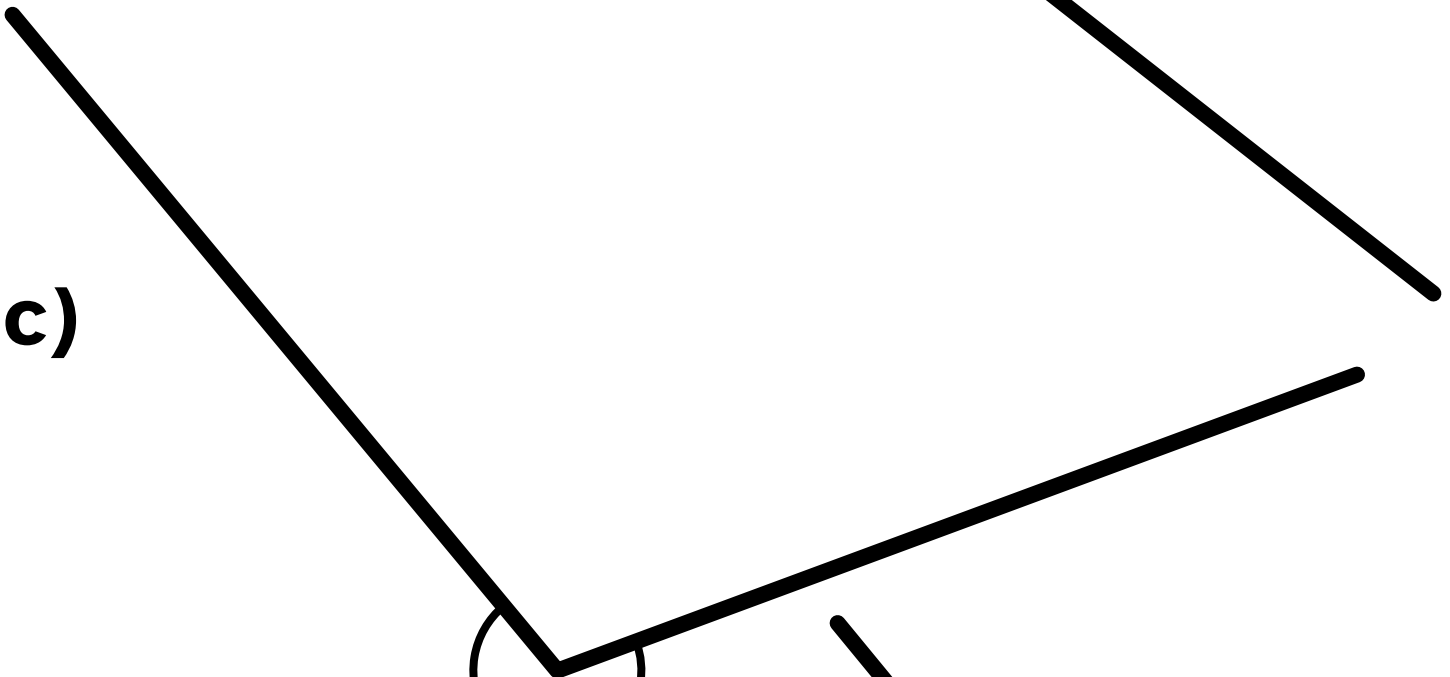
b)

'be



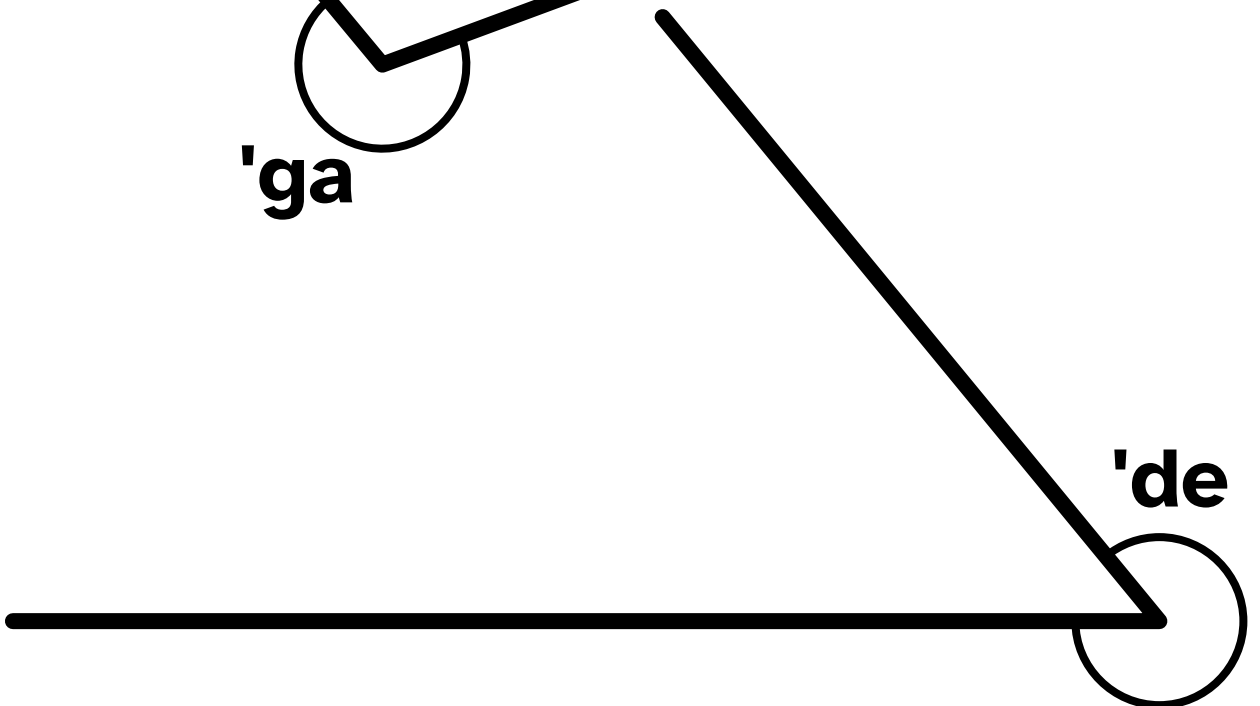
c)

'ga



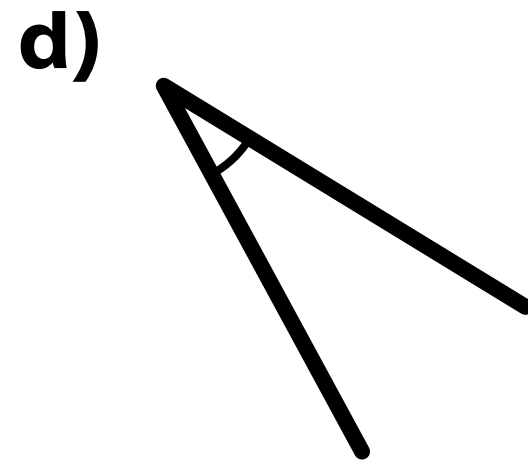
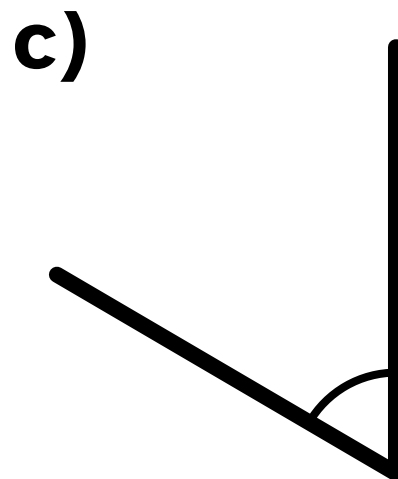
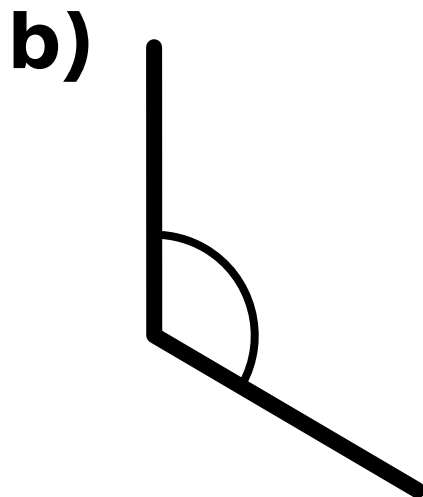
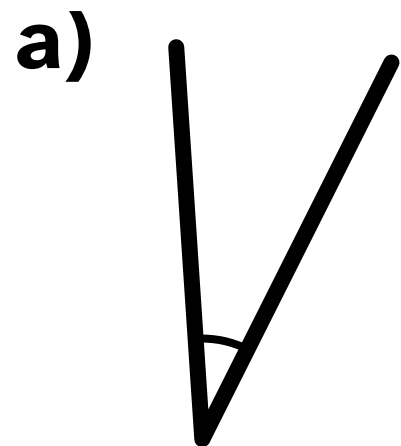
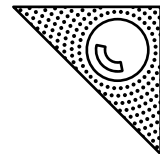
d)

'de

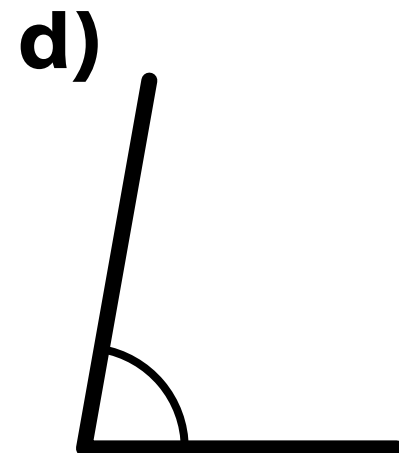
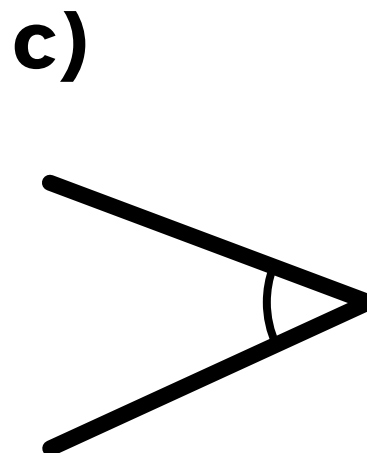
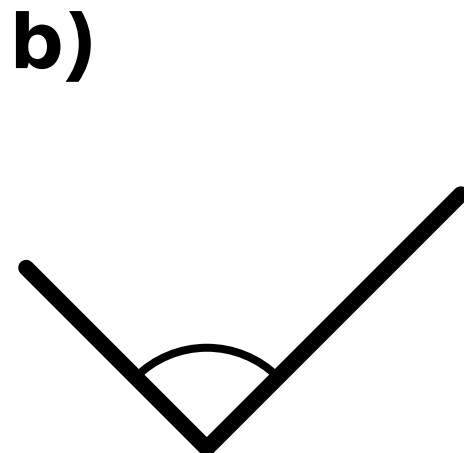


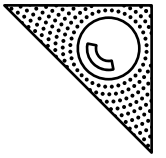
**Plus1 n**

**S.54 255 256**

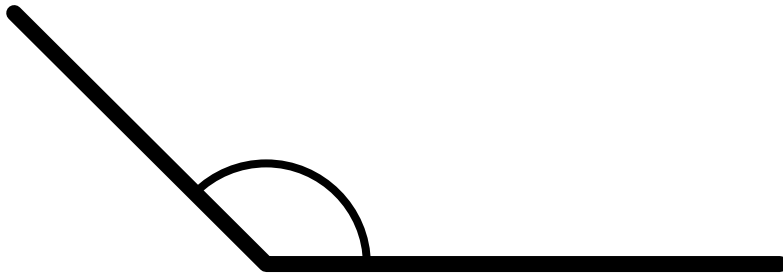


**256**

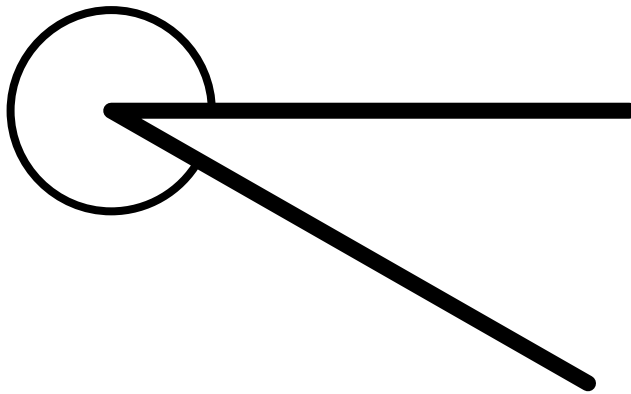




a)



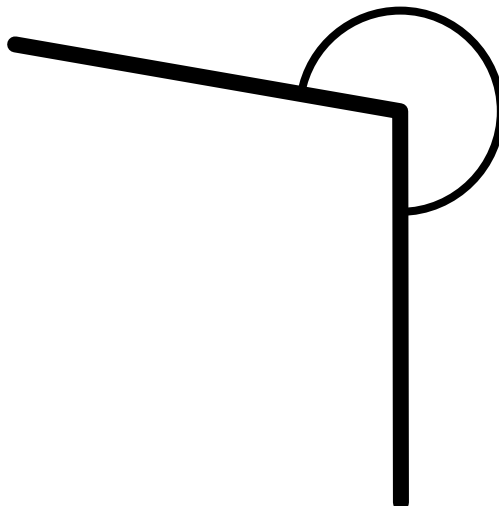
b)



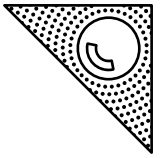
c)



d)







345

a)



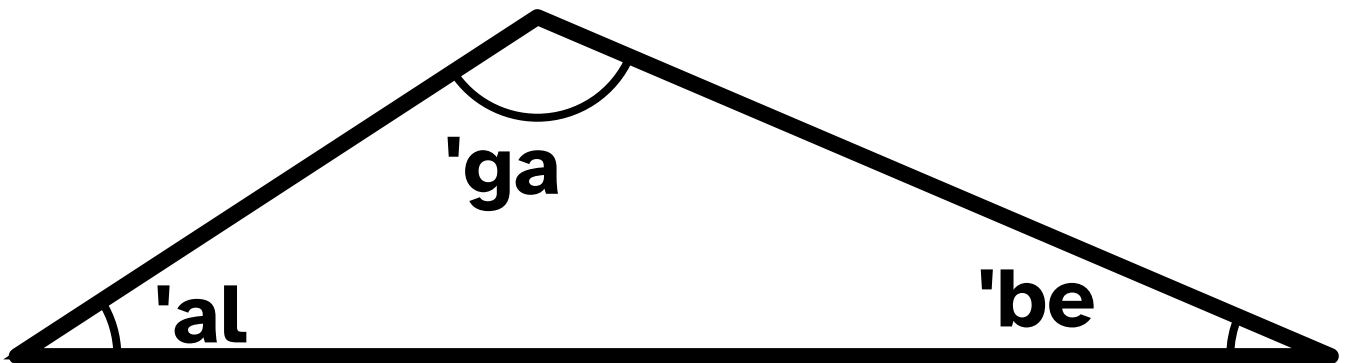
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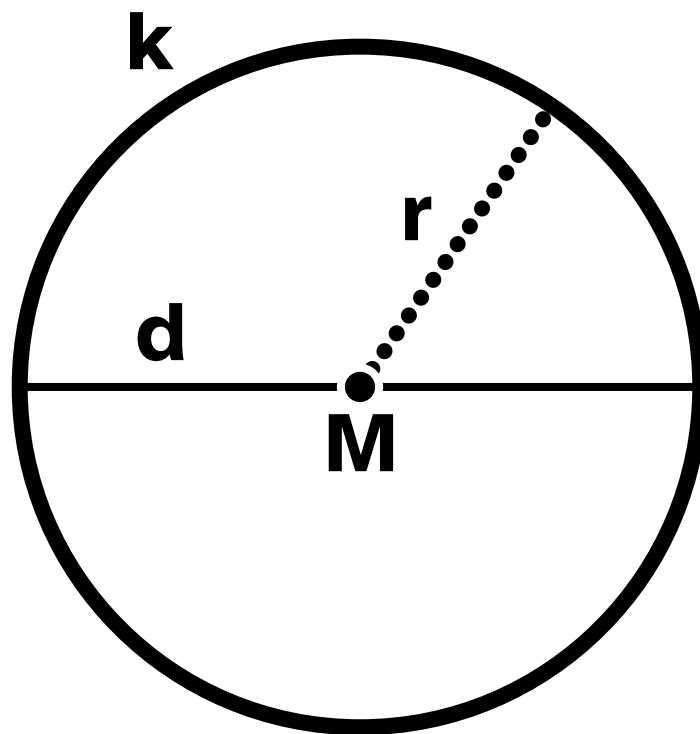
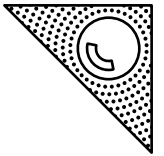


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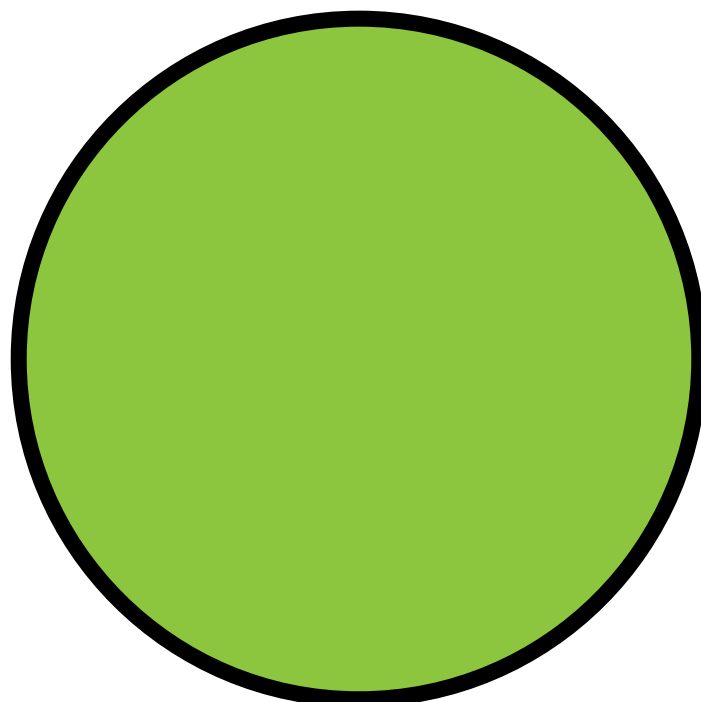
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347

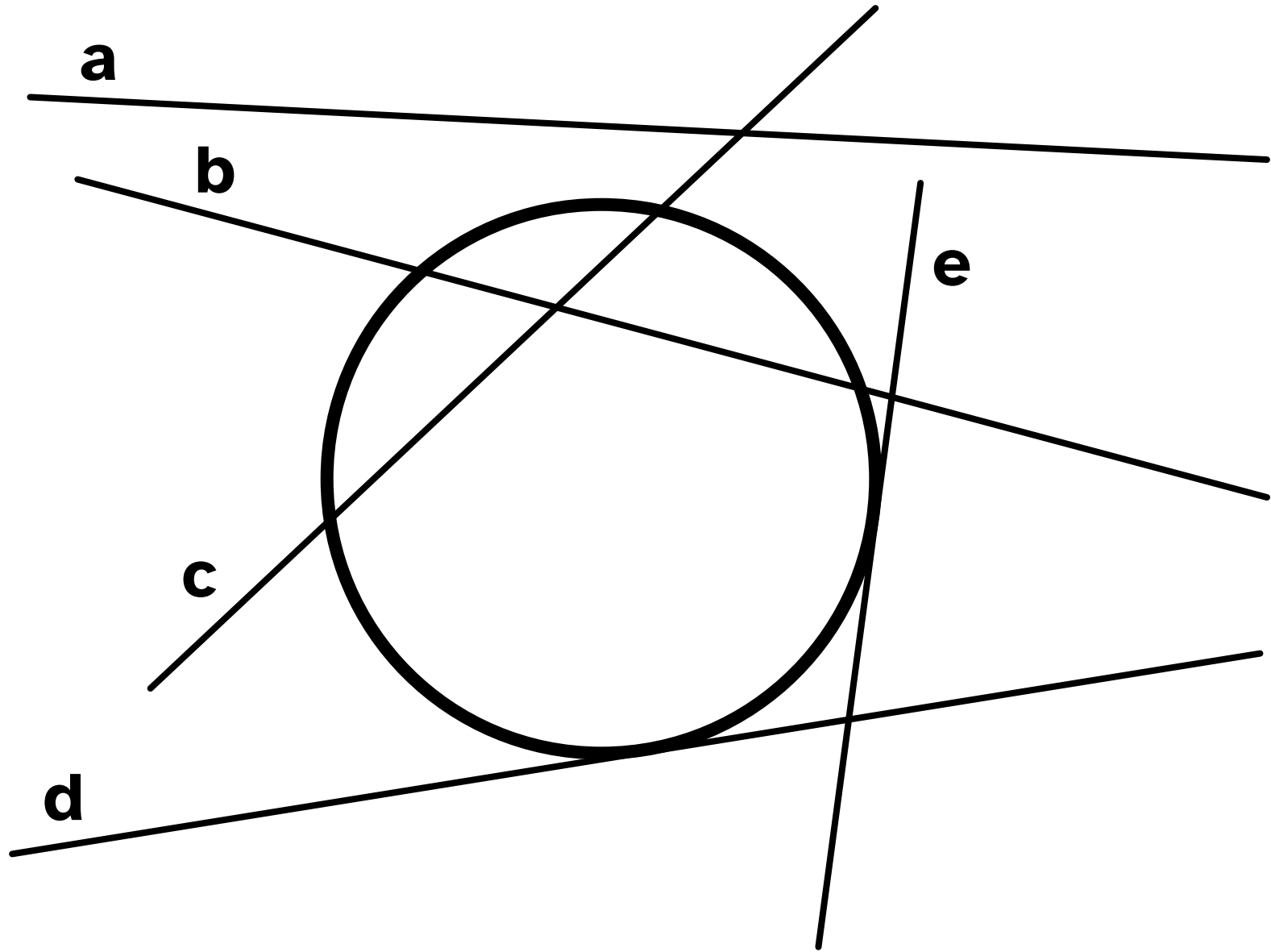
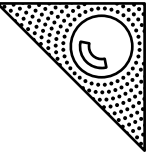


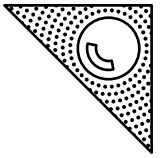


**M: Mittelpunkt, k: Kreislinie,  
r: Radius, d: Durchmesser**

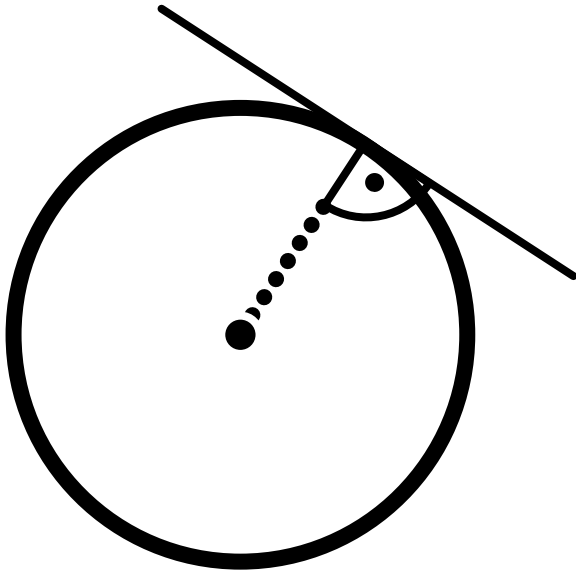


**Kreisfläche**

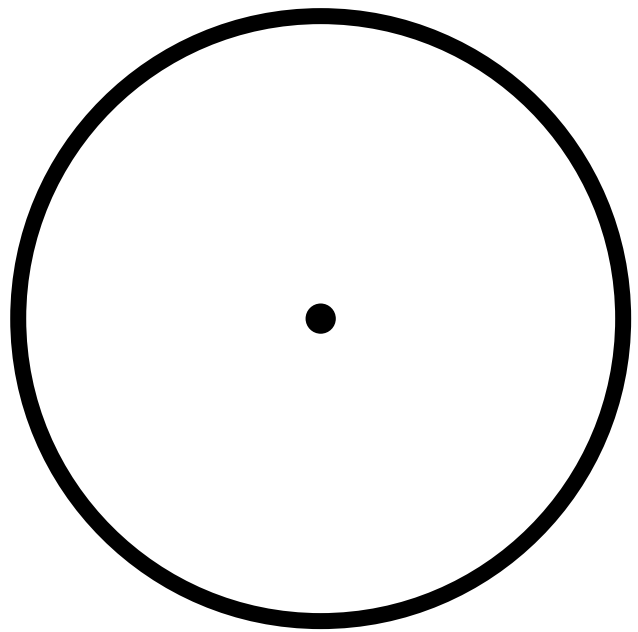




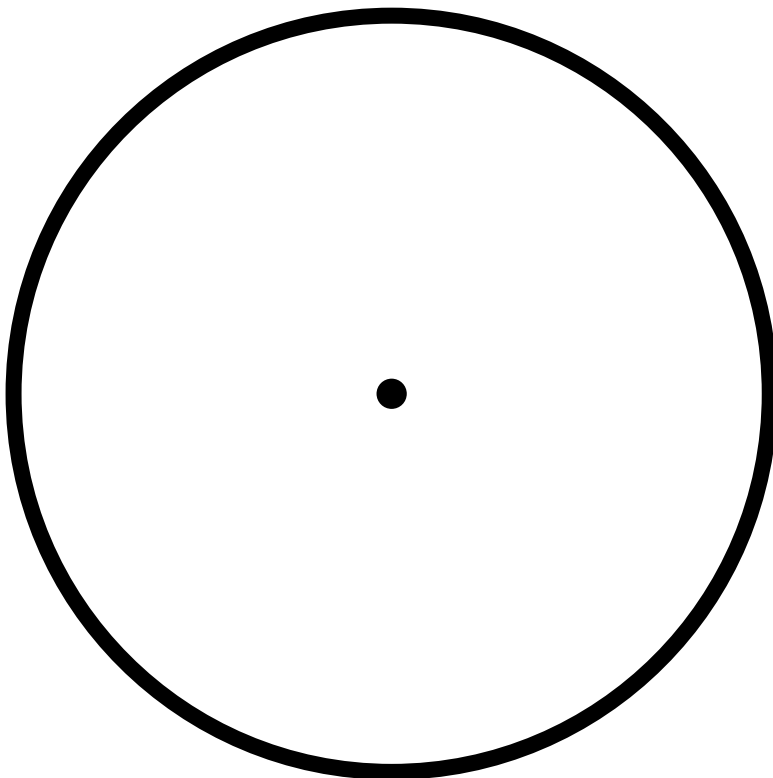
a)

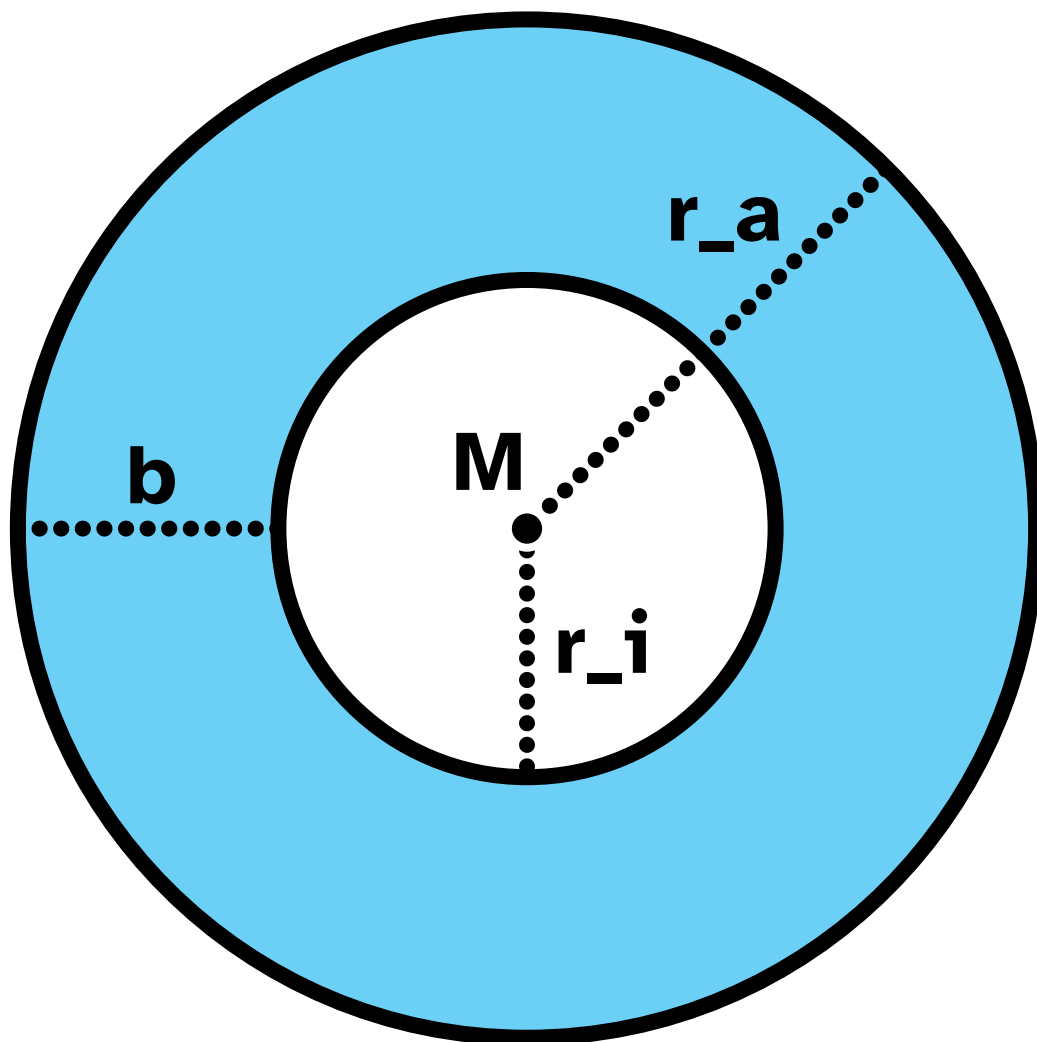
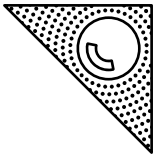


b)



c)

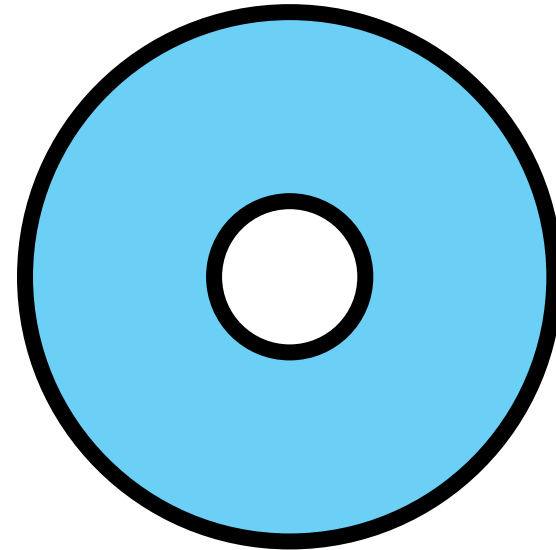
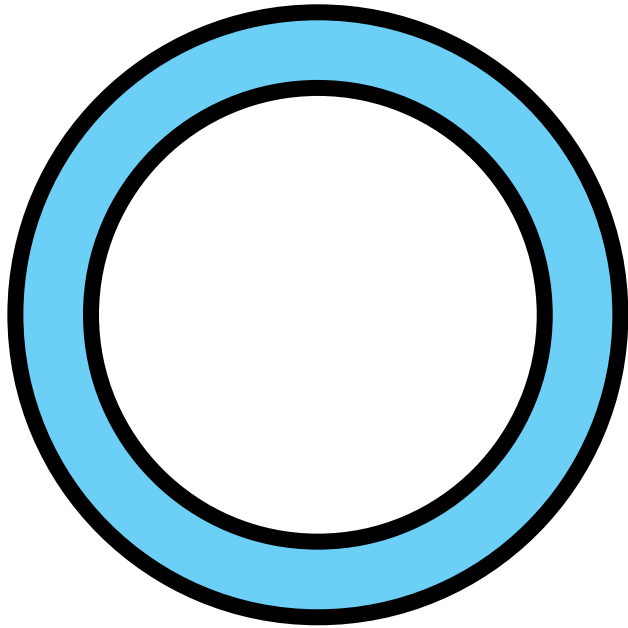
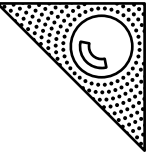




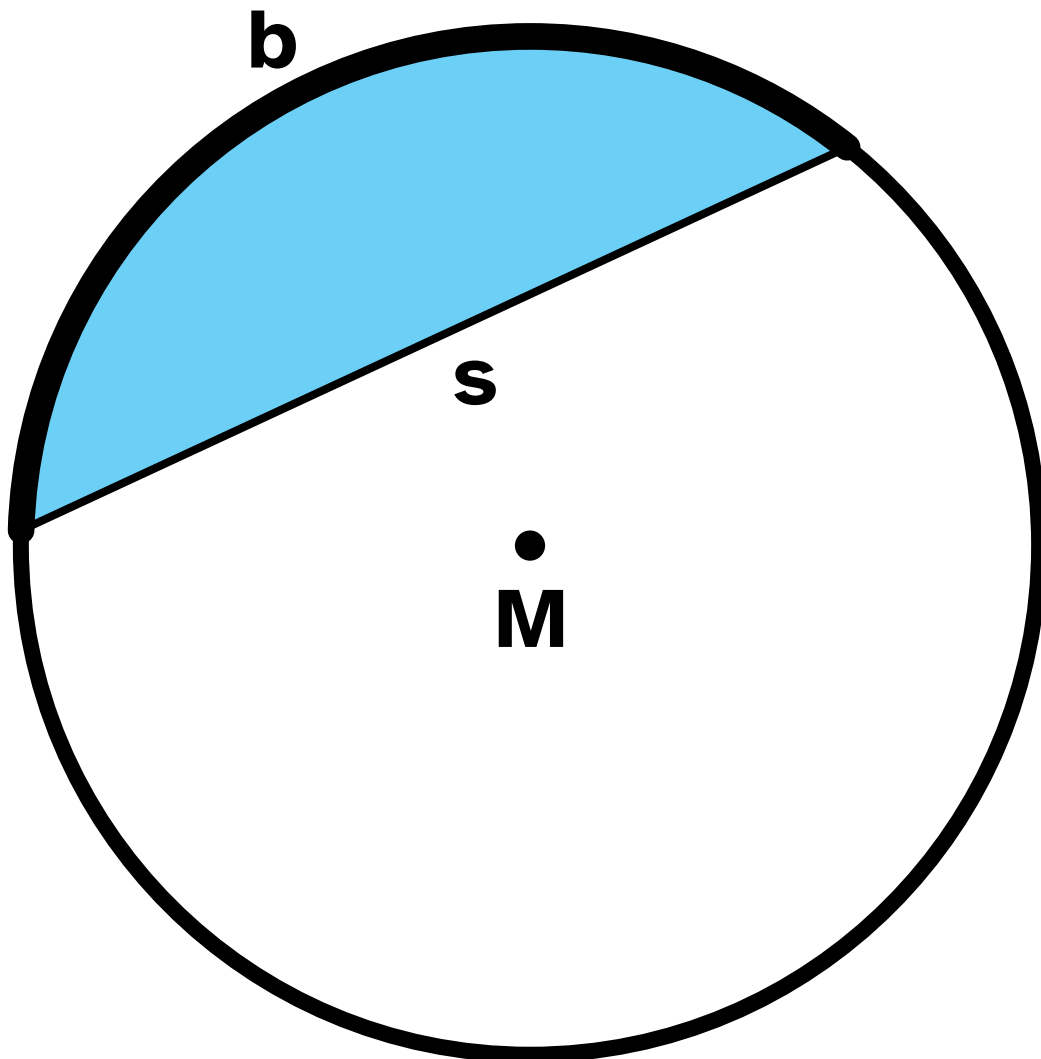
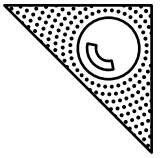
**M: Mittelpunkt,  $R_a$ : Außenradius,  
 $r_i$ : Innenradius,  $b$ : Breite**

**Plus1 n**

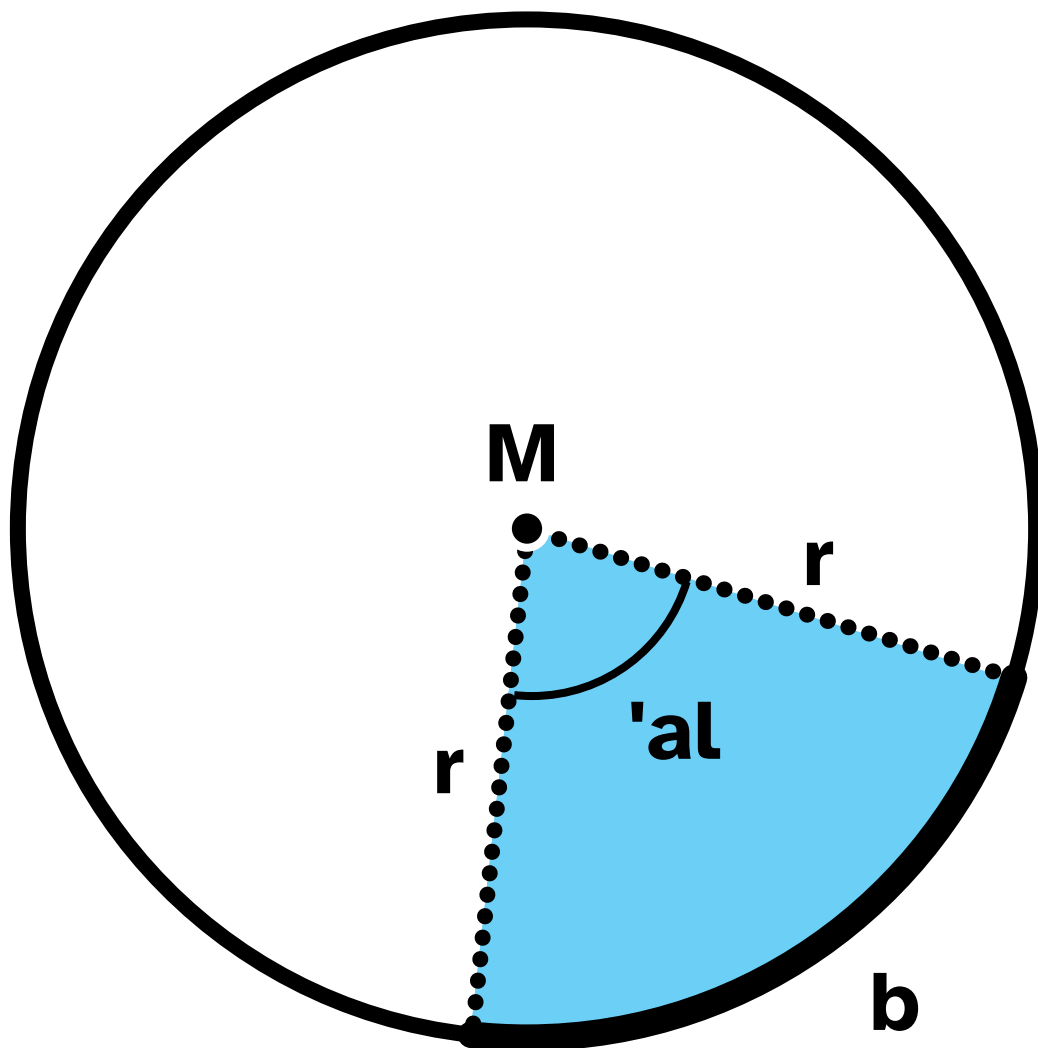
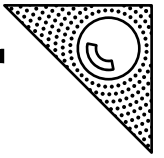
**S.75 368**



# Plus1 n S.76 Kreissegment



**M: Mittelpunkt, b: Kreisbogen, s: Kreissehne**

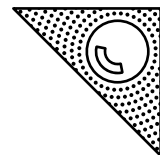


**M: Mittelpunkt, r: Radius,  
b: Kreisbogen, 'α: Zentriwinkel**

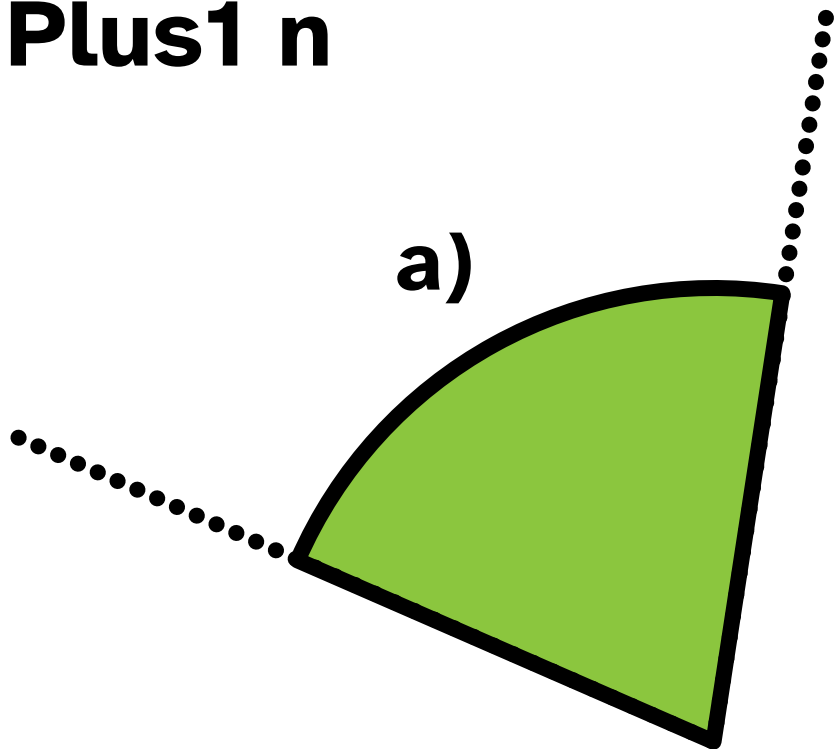


**Plus1 n**

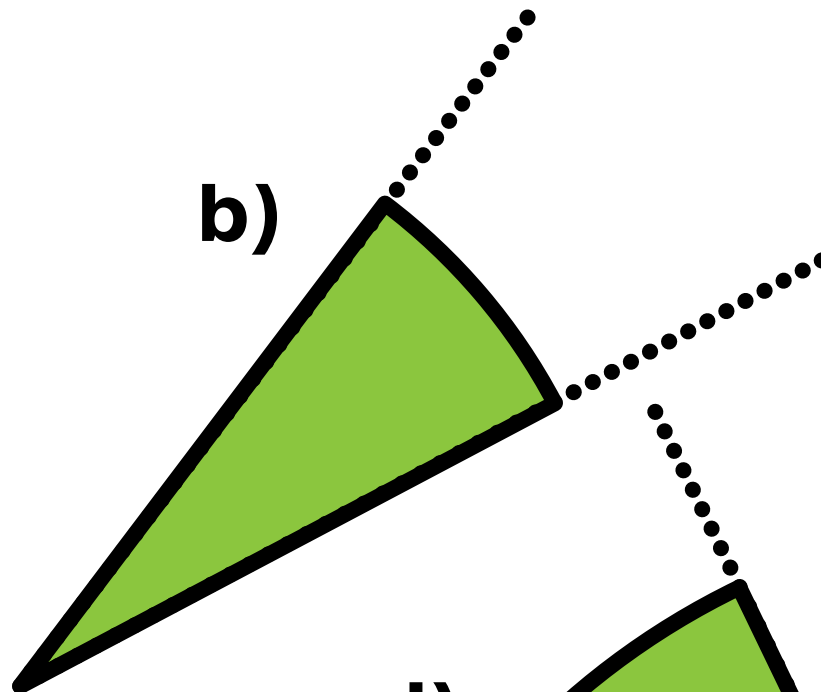
**S.77 377**



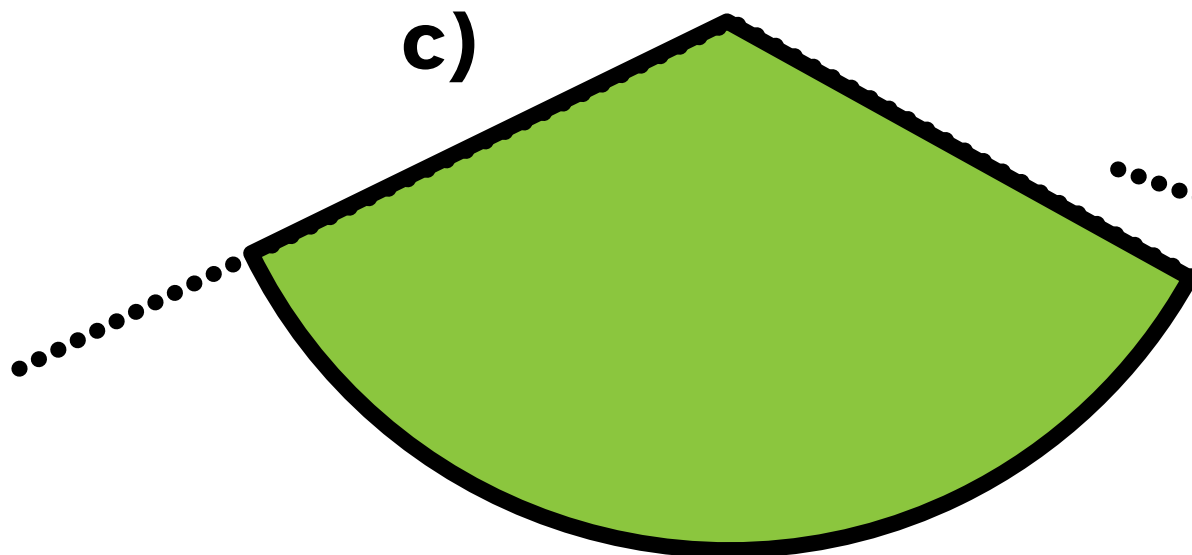
**a)**



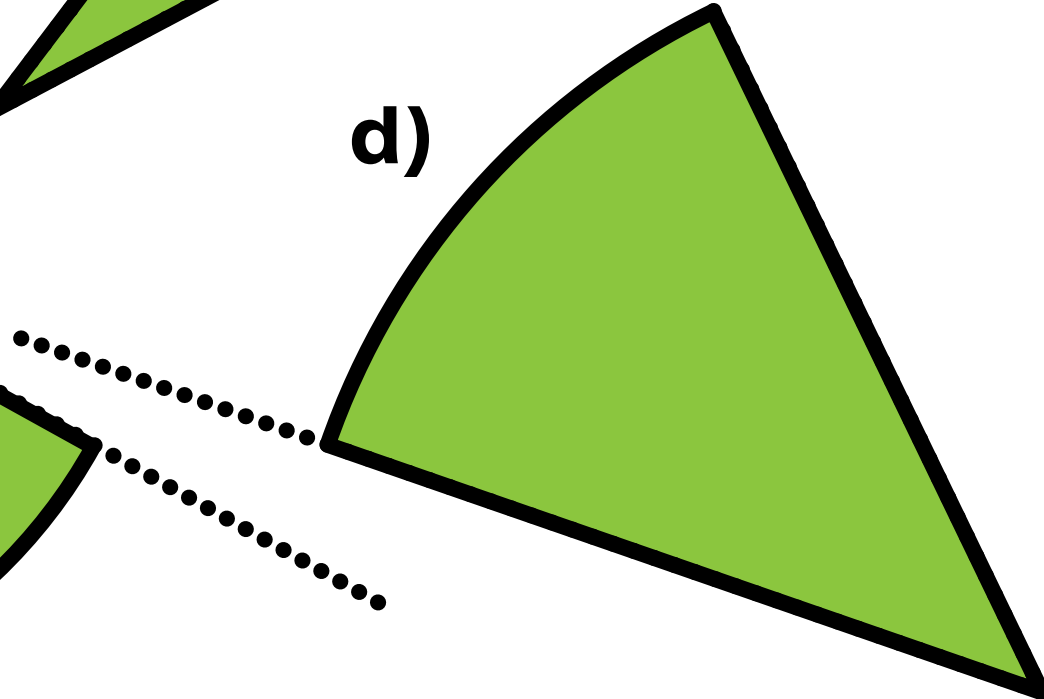
**b)**

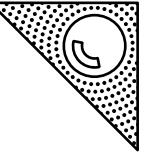


**c)**

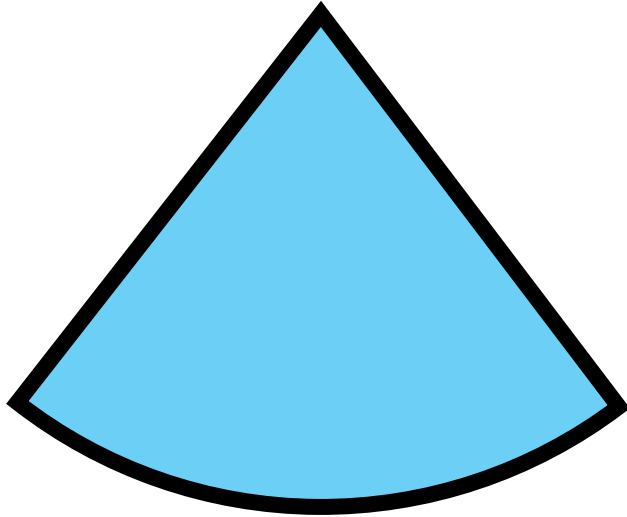


**d)**

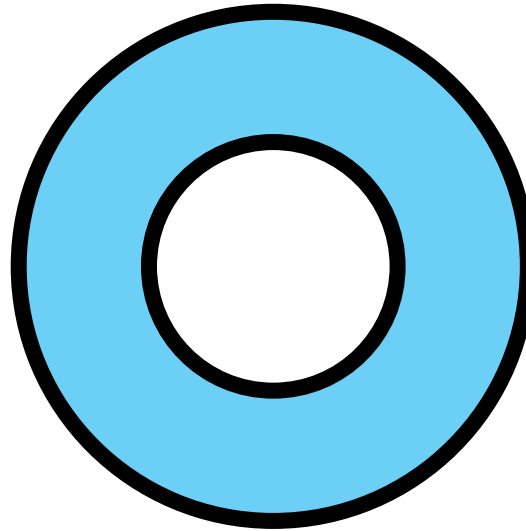




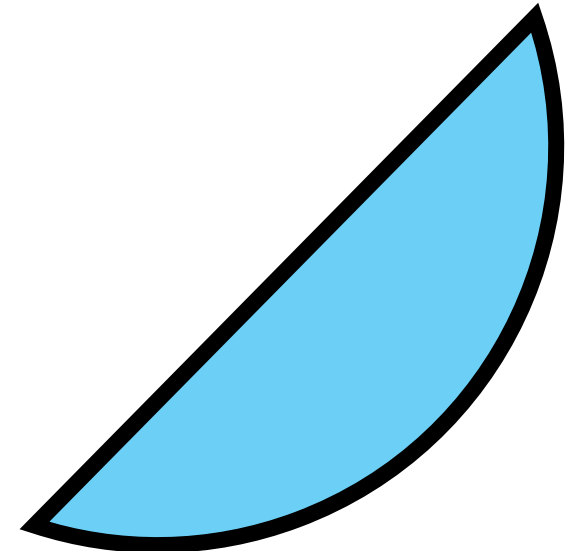
a)



b)

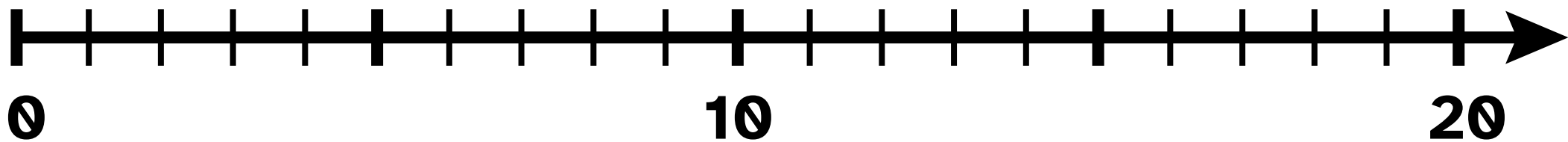
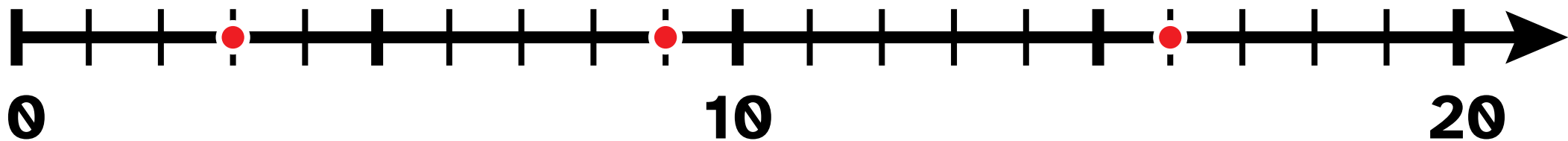
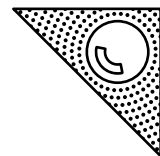


c)



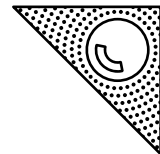
# Plus1 n

S.81 398, 399

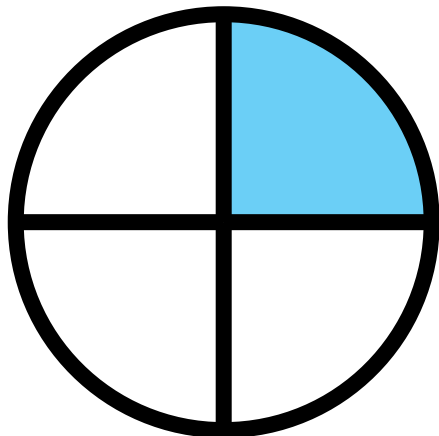


**Plus1 n**

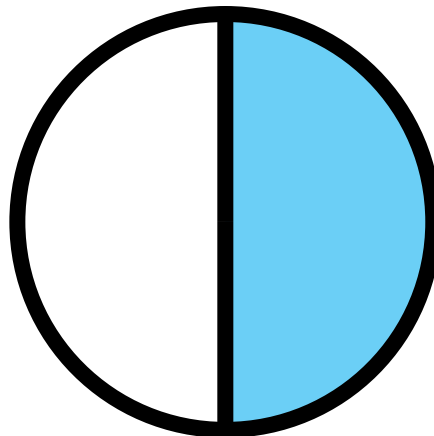
**S.81 403**



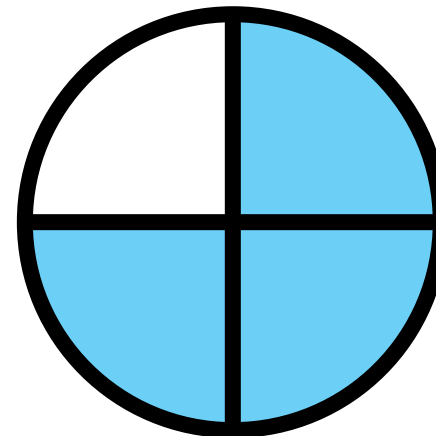
**a)**



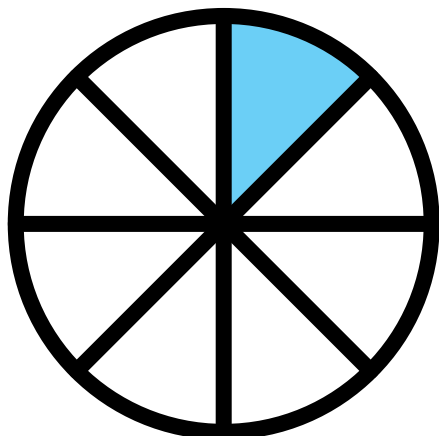
**c)**



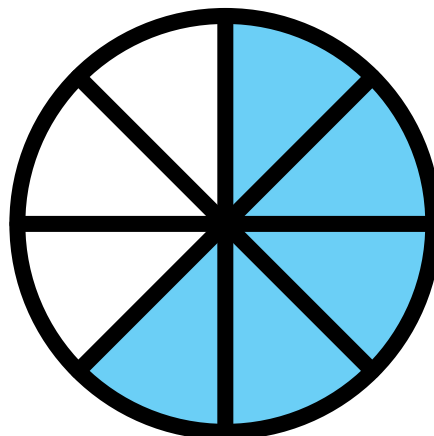
**e)**



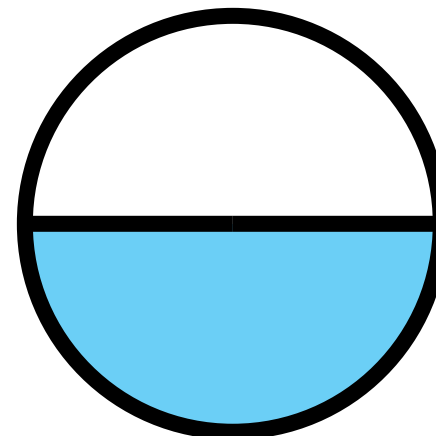
**b)**



**d)**

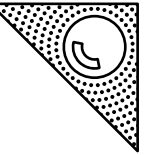


**f)**

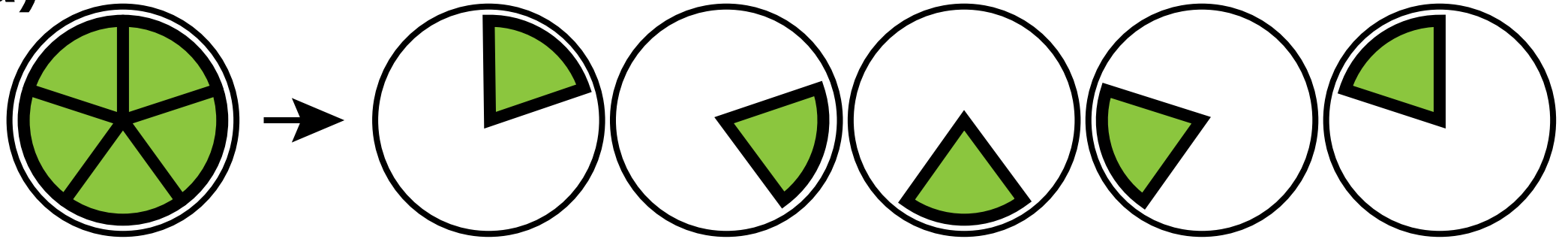


Plus1 n

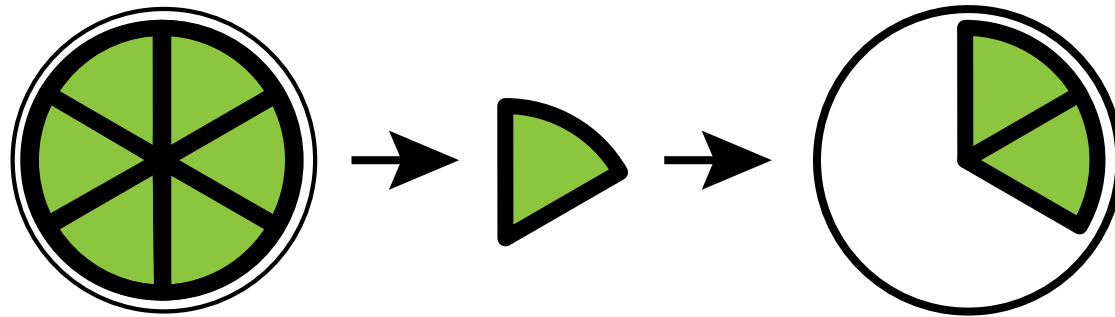
S.82 404



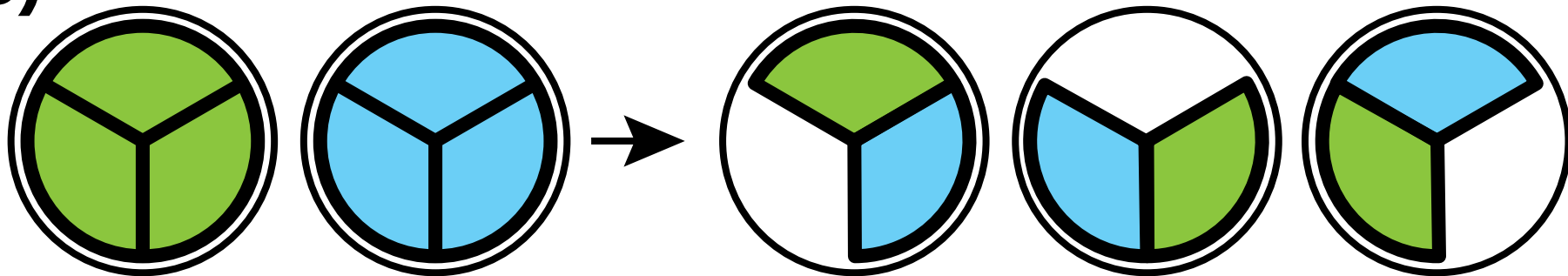
a)



b)

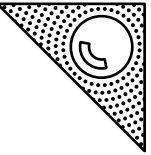


c)

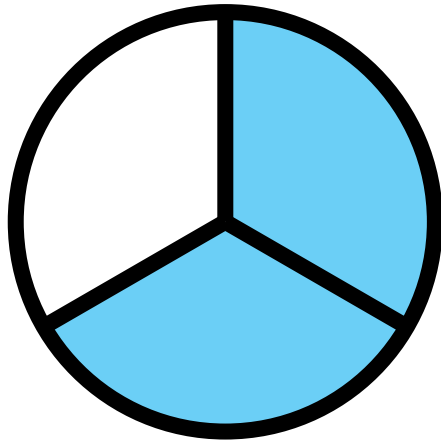


**Plus1 n**

**S.82 405**

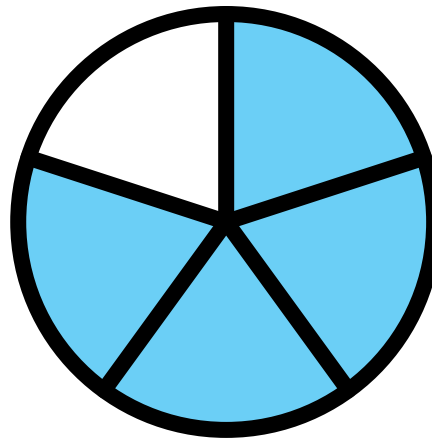


**B**

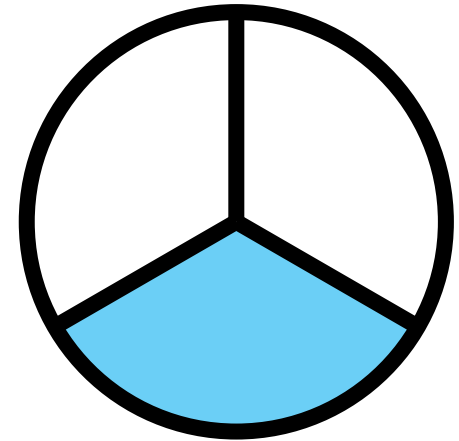


**2/3,  
zwei Drittel**

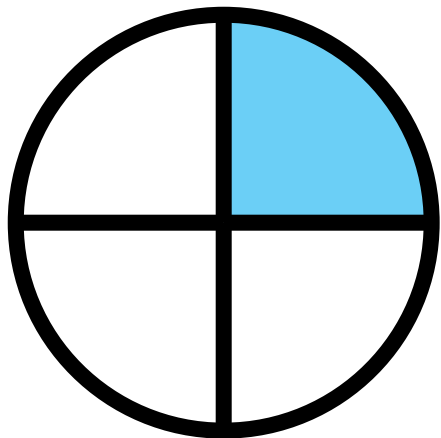
**b)**



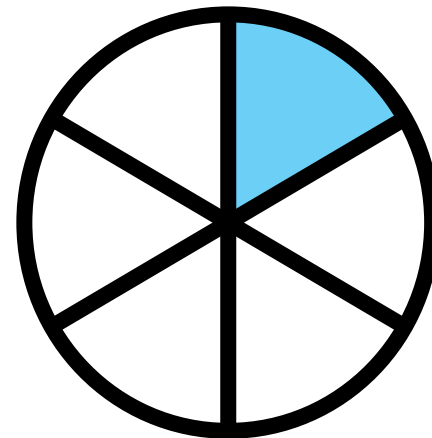
**d)**



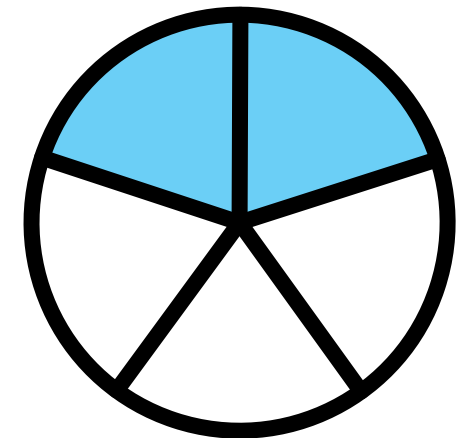
**a)**



**c)**

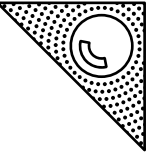


**e)**

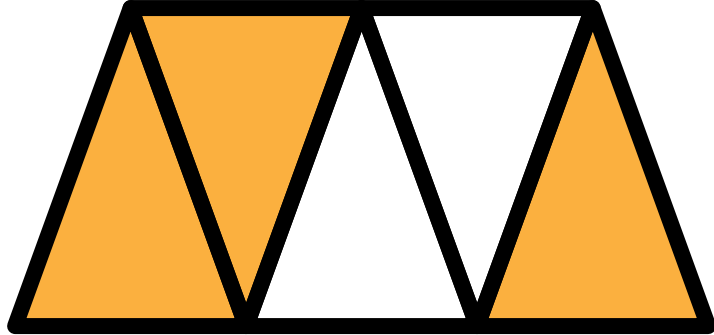


# Plus1 n

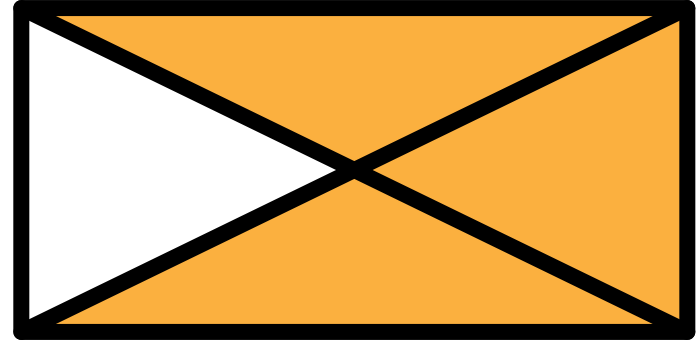
S.82 406



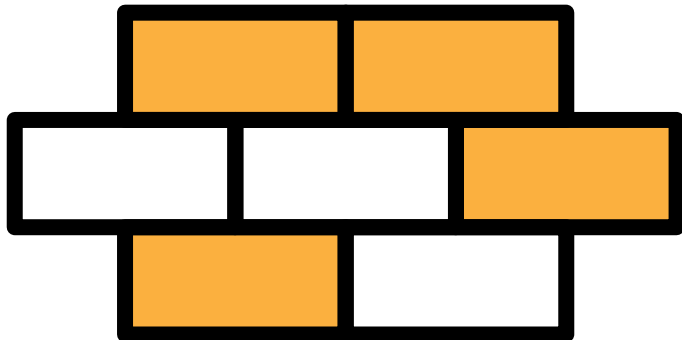
a)



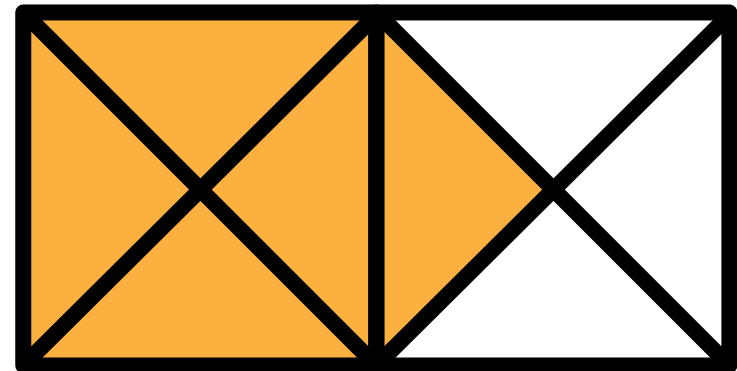
b)

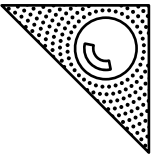


c)

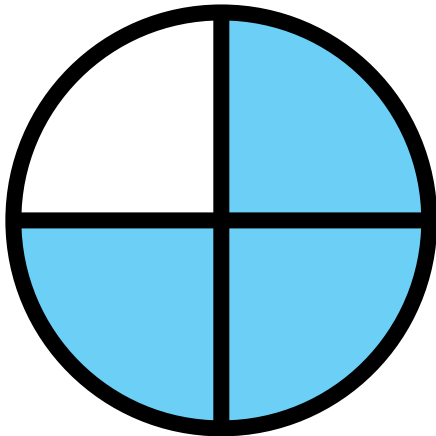


d)

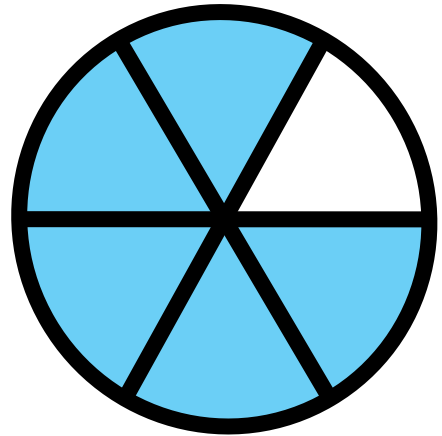




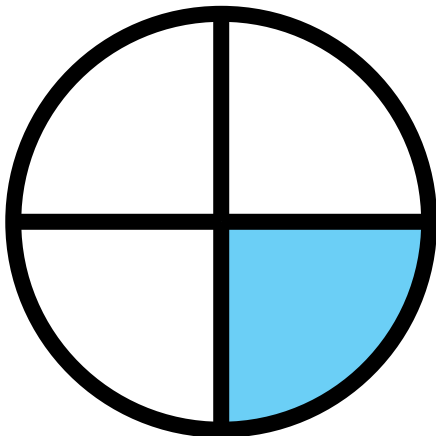
a)



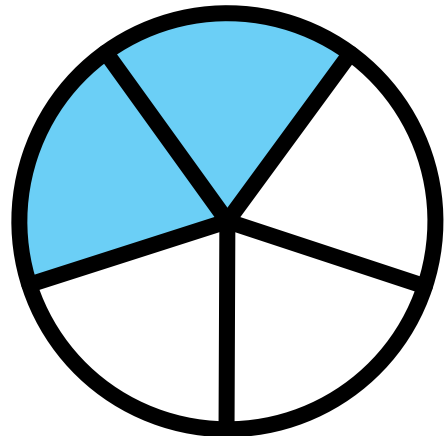
d)



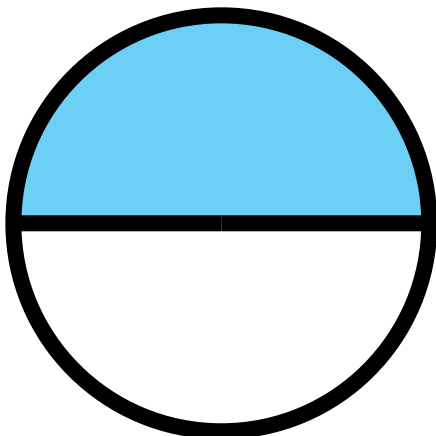
b)



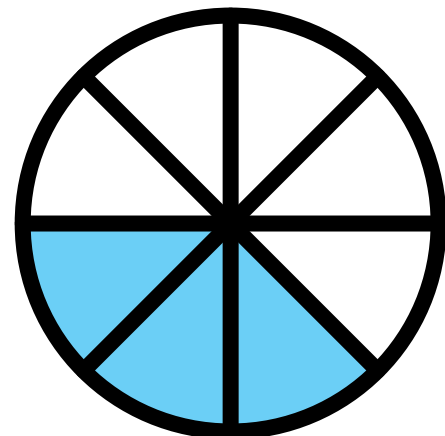
e)



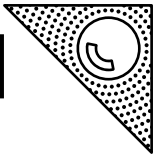
c)



f)



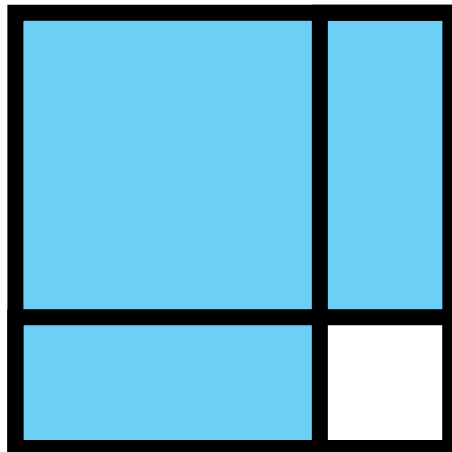




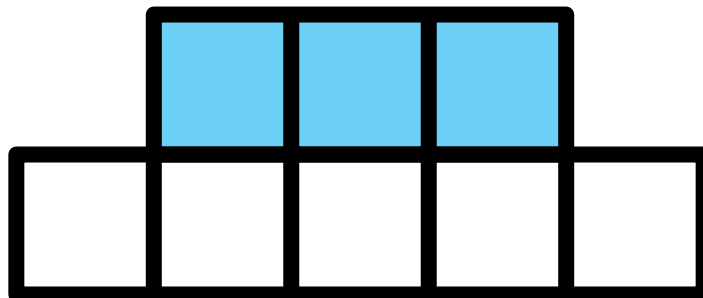
a)



b)

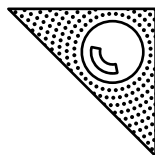


c)

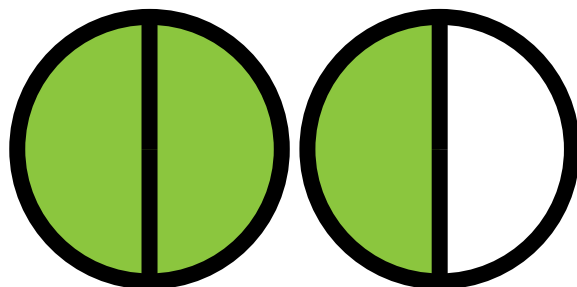


# Plus1 n

S.85 417



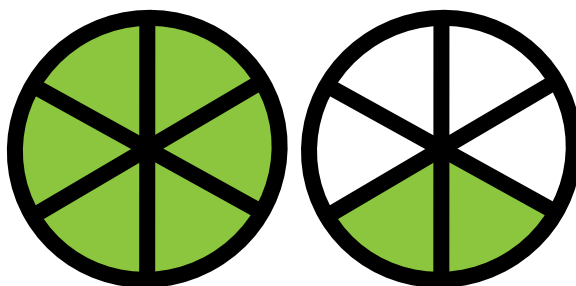
B



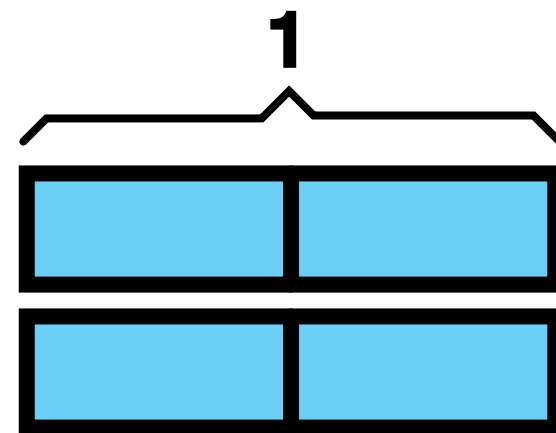
$3/2$

unechter Bruch

b)



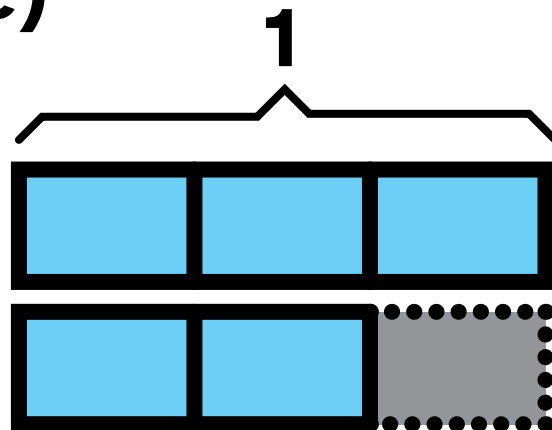
d)



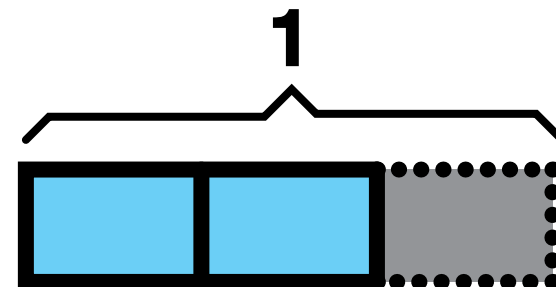
a)

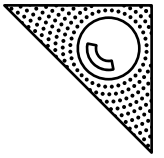


c)

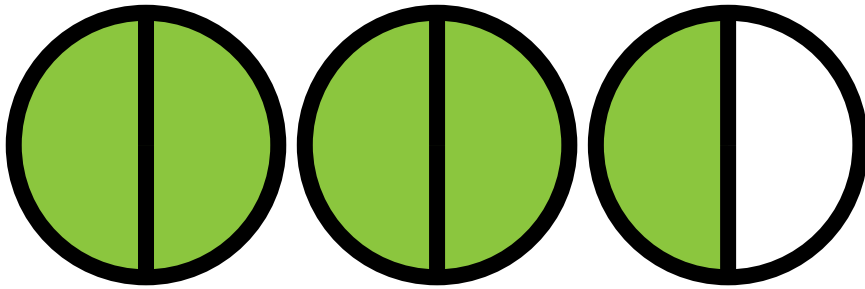


e)



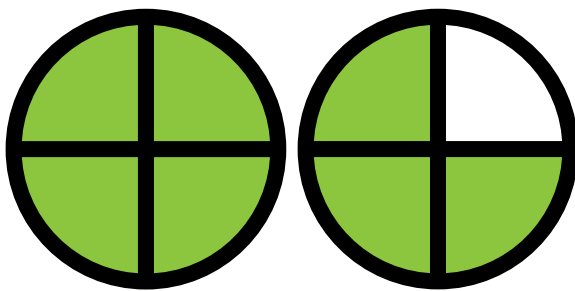


**B**



$$5/2 = 2 \frac{1}{2}$$

**a)**

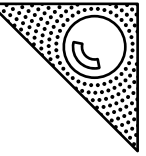


**b)**

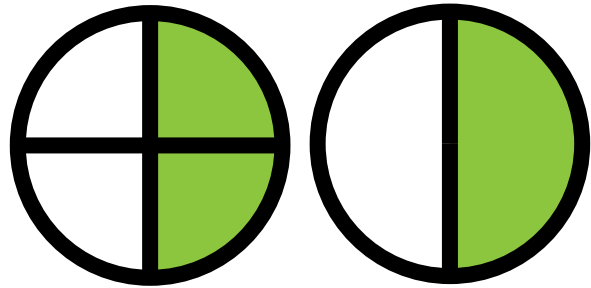


# Plus1 n

S.86 423

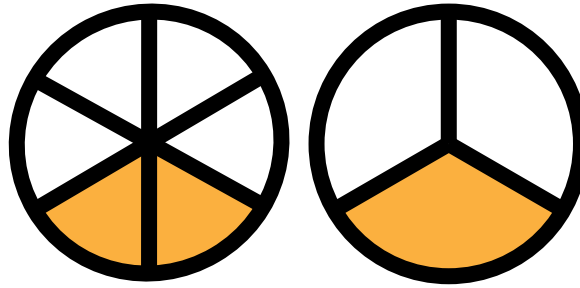


**B**

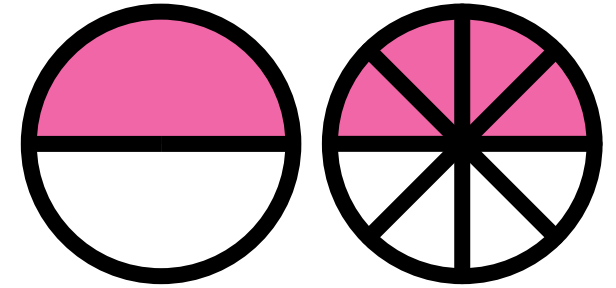


$$2/4 = 1/2$$

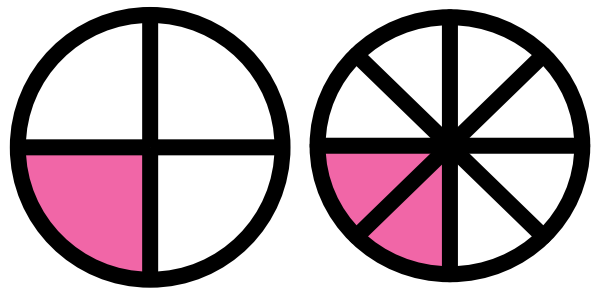
**b)**



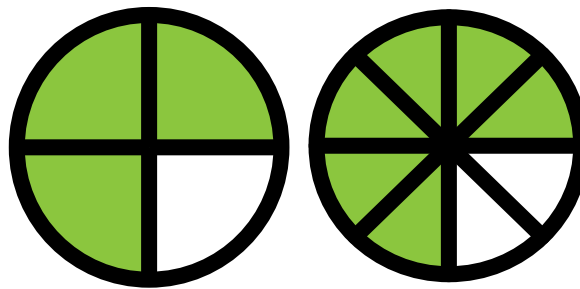
**d)**



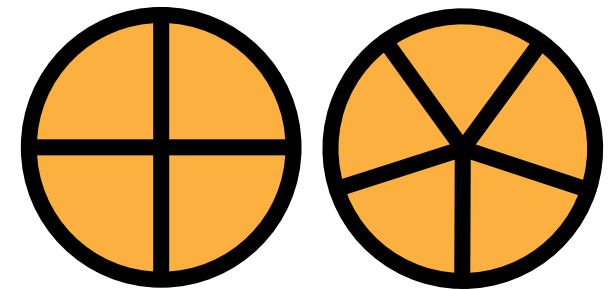
**a)**



**c)**

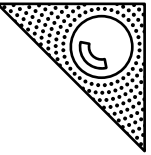


**e)**



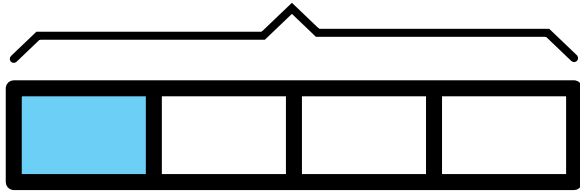
# Plus1 n

S.90 446



**B**

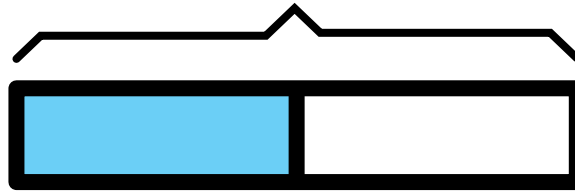
**36**



**$1/4$  von 36 = 9**

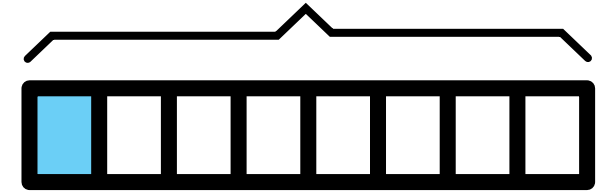
**b)**

**80**



**d)**

**160**



**a)**

**62**



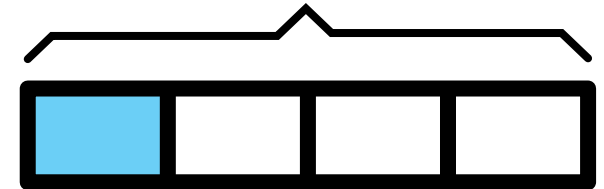
**c)**

**40**



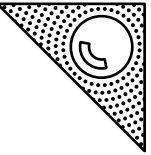
**e)**

**400**

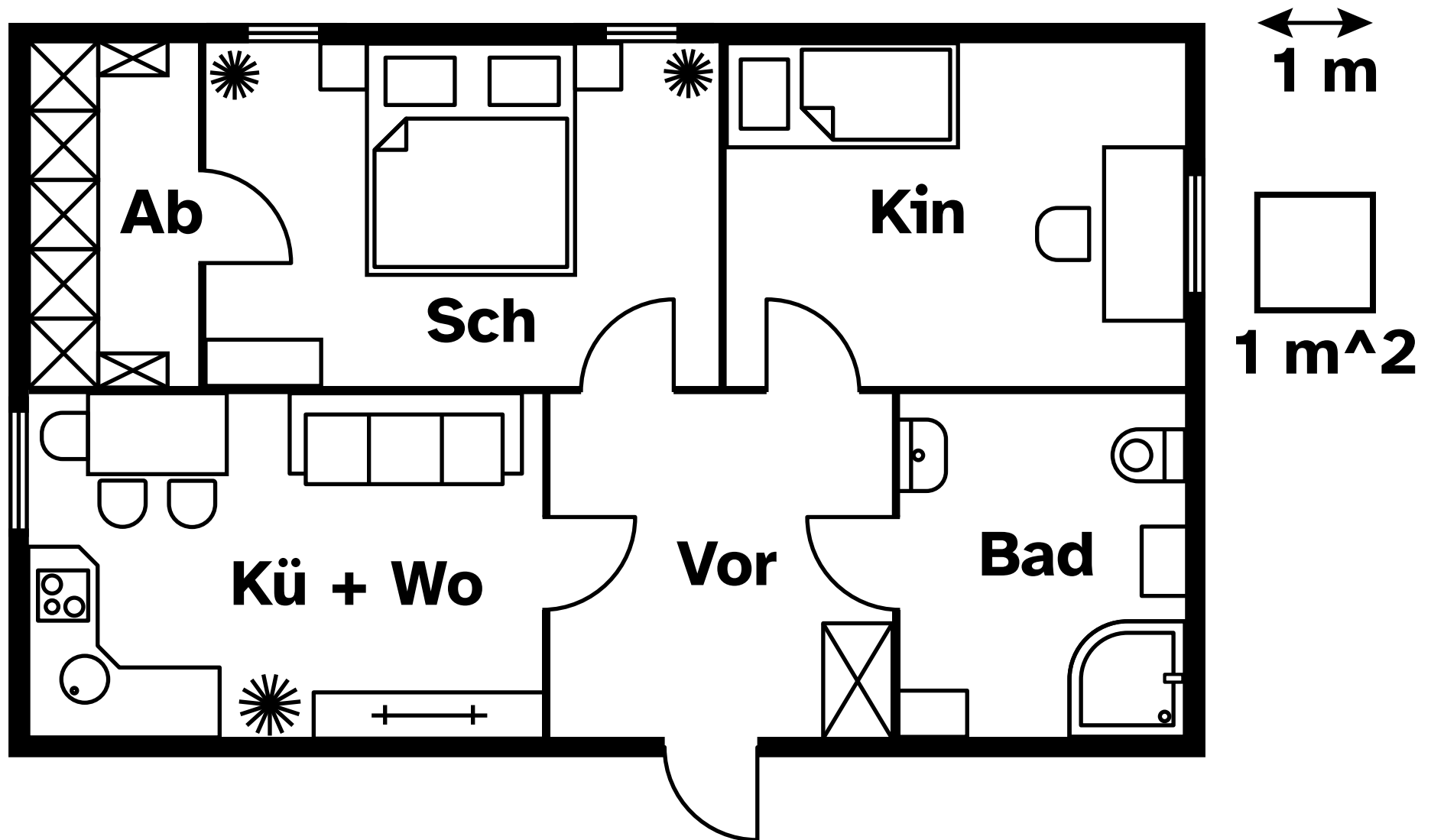


Plus1 n

S.122 636

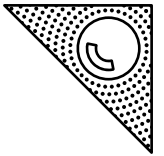


Wohnung Maßstab 1:50



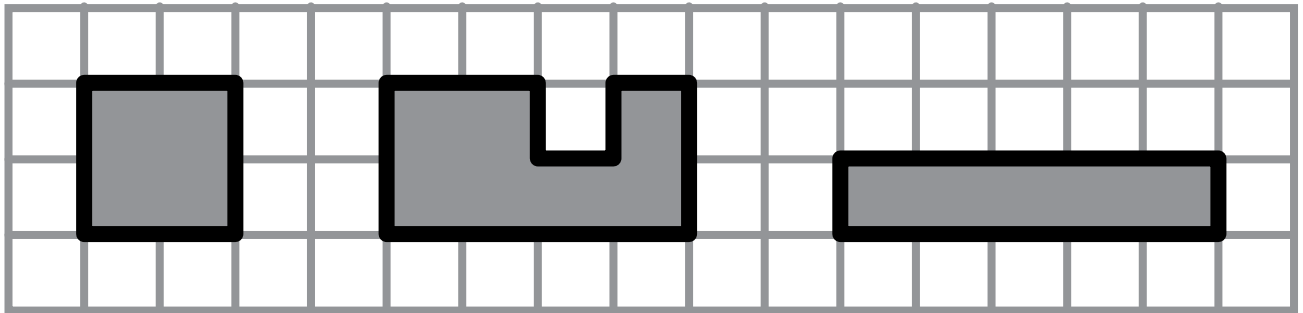
Plus1 n

S.123-127



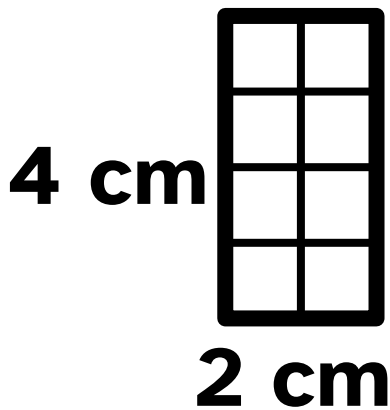
641, 656, 663, 667

641

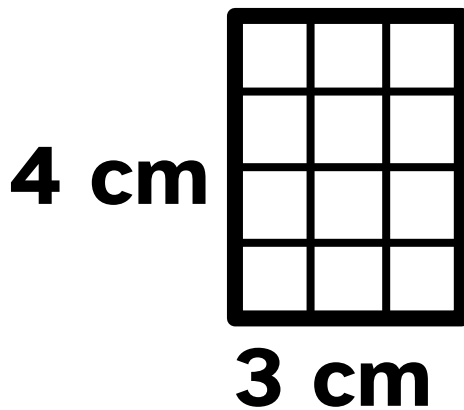


656

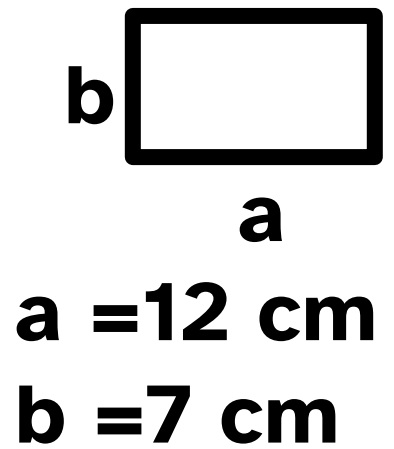
a)



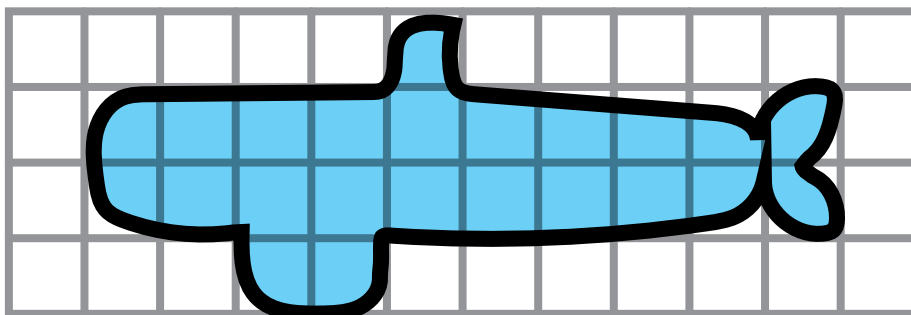
b)



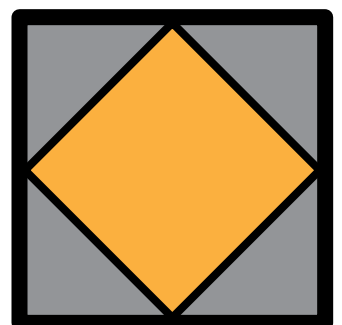
c)



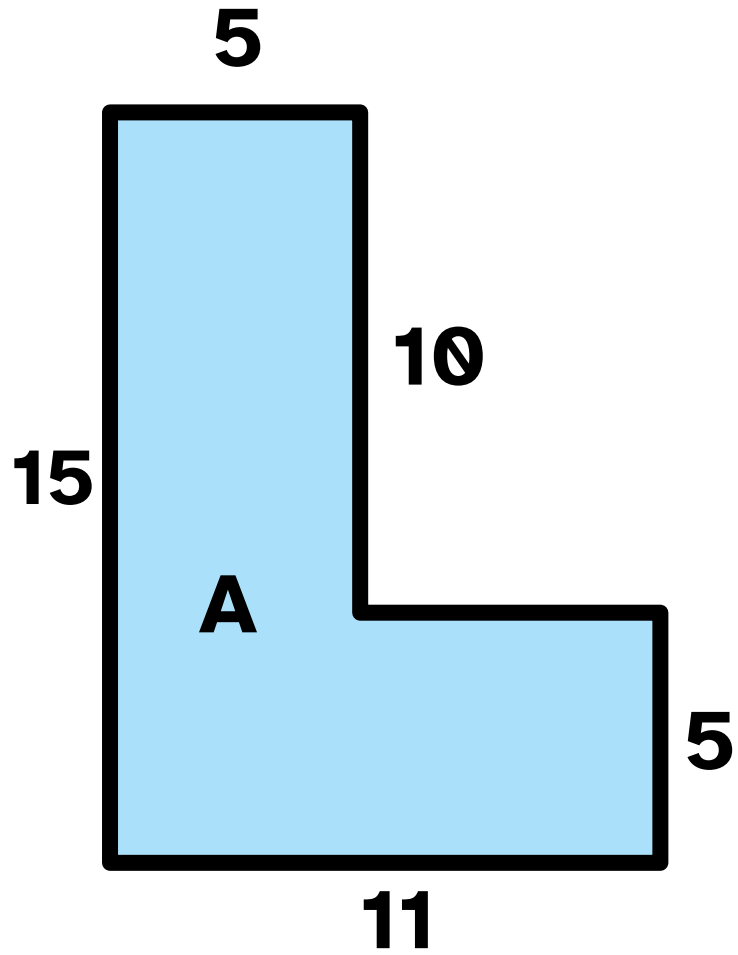
663



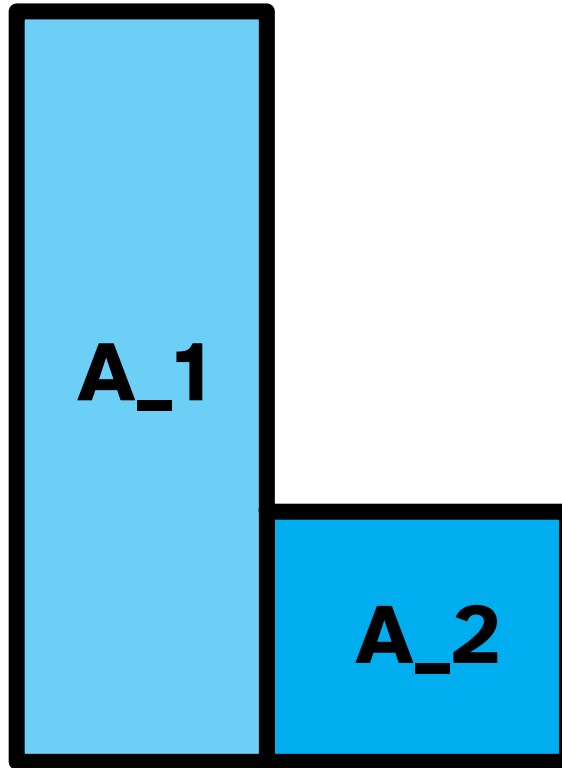
667



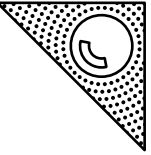
**Plus1 n**



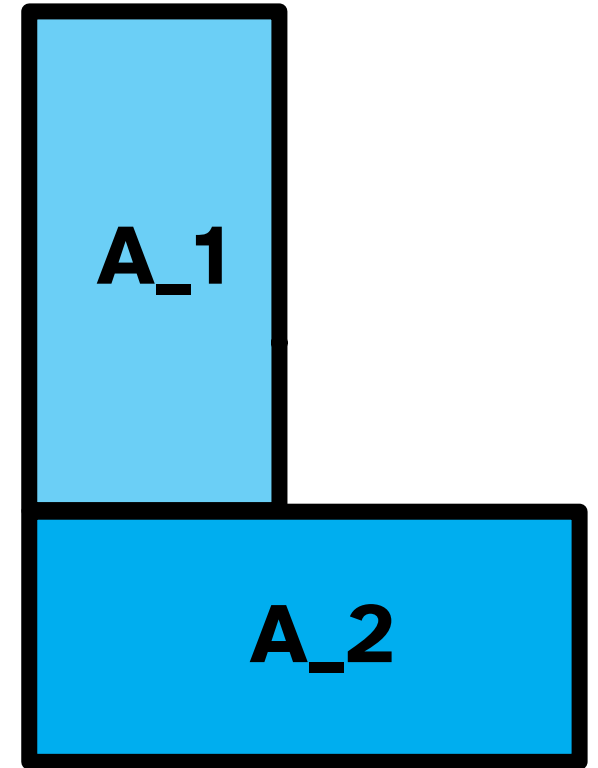
**Yoko**



**S.130 681**



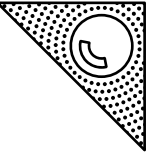
**Luca**



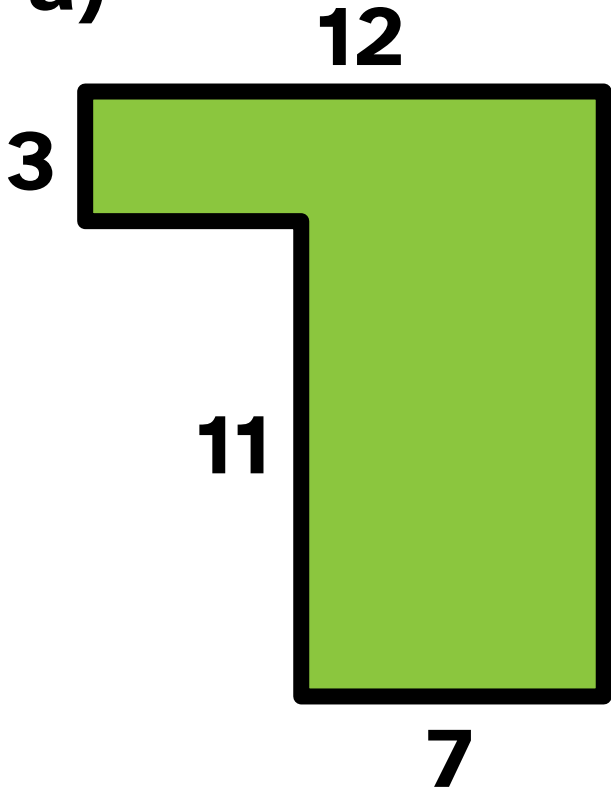


**Plus1 n**

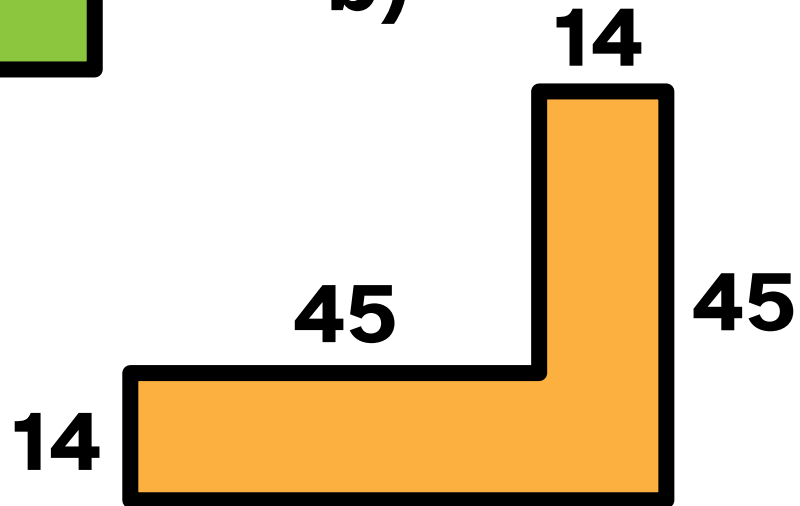
**S.130 682**



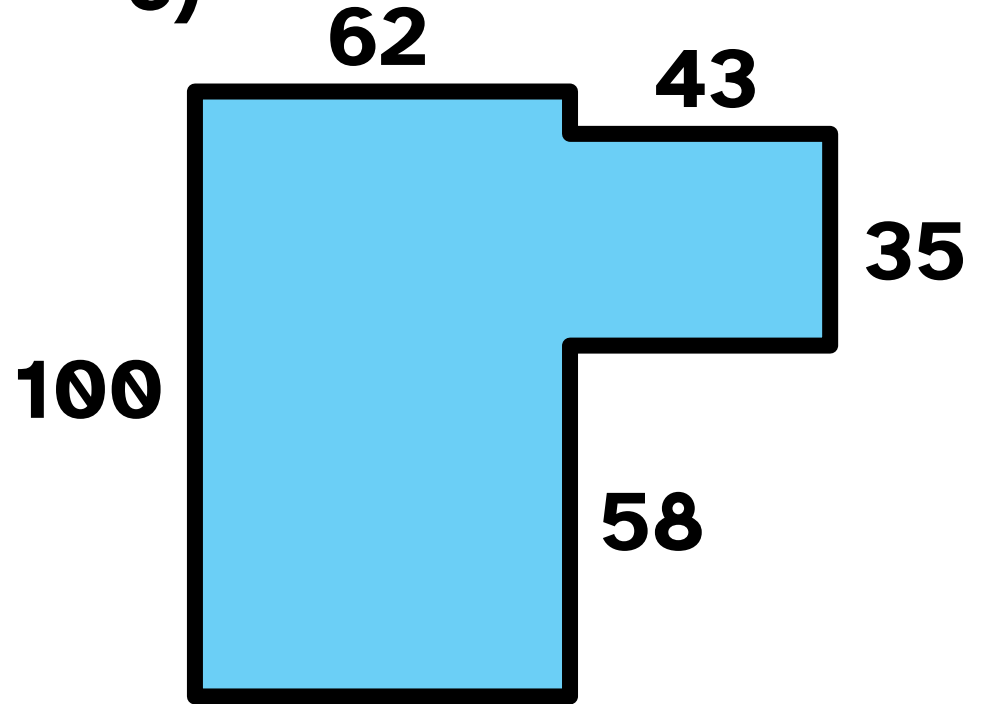
**a)**

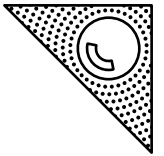


**b)**

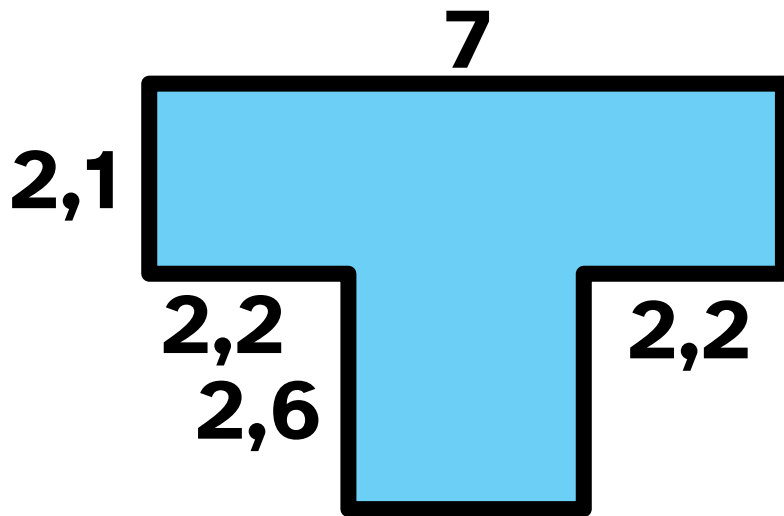


**c)**

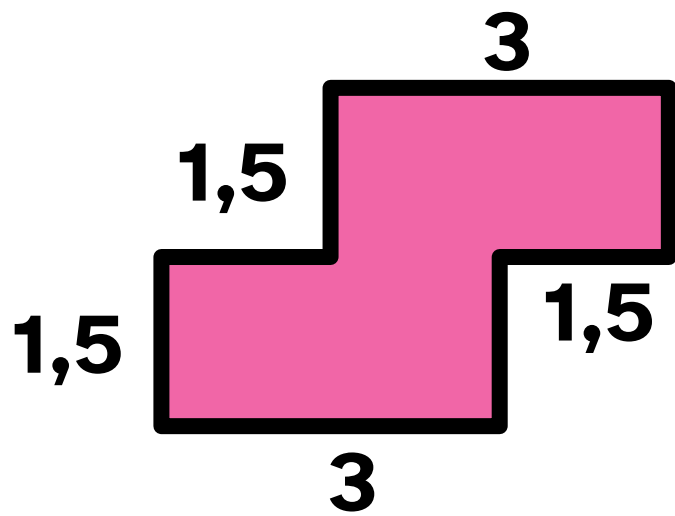




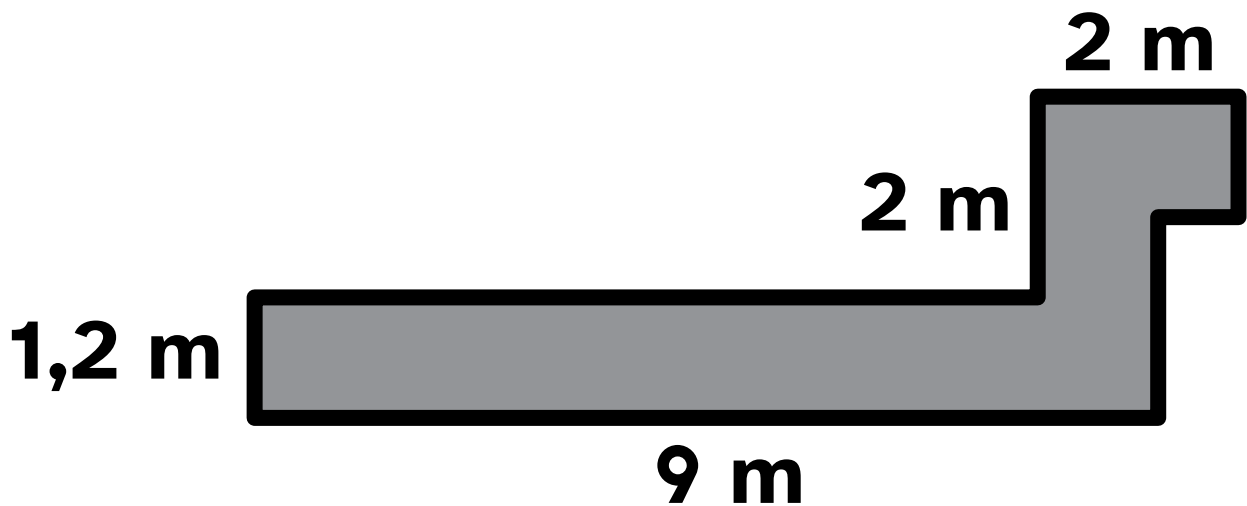
a)

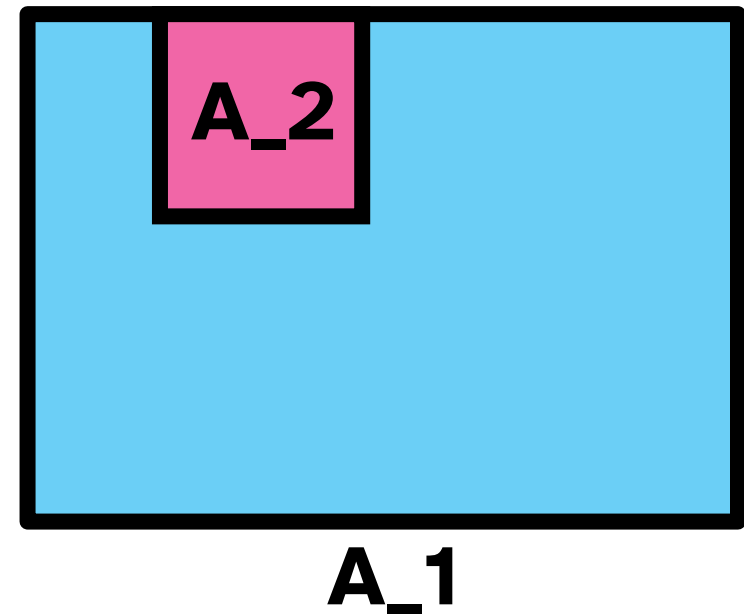
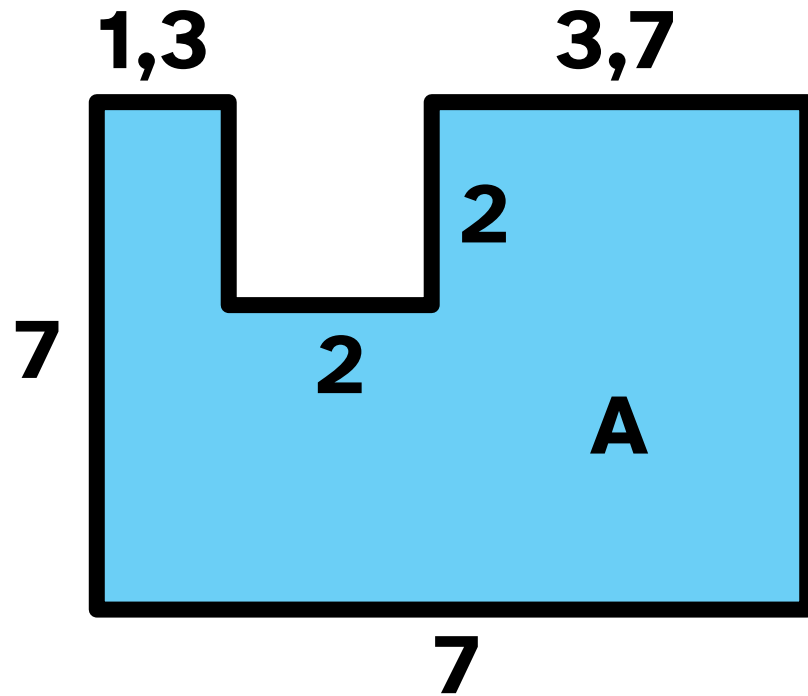
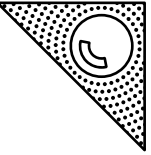


b)



684

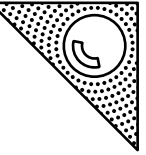




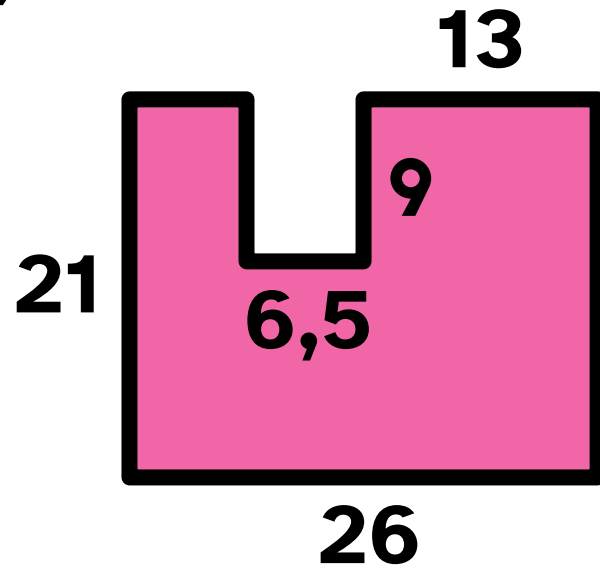
$$A = A_1 - A_2$$

# Plus1 n

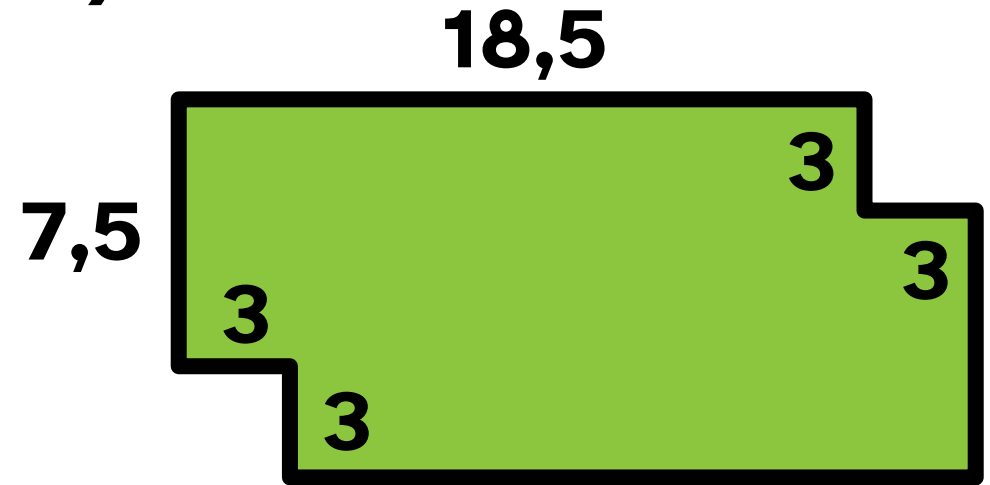
S.131 686



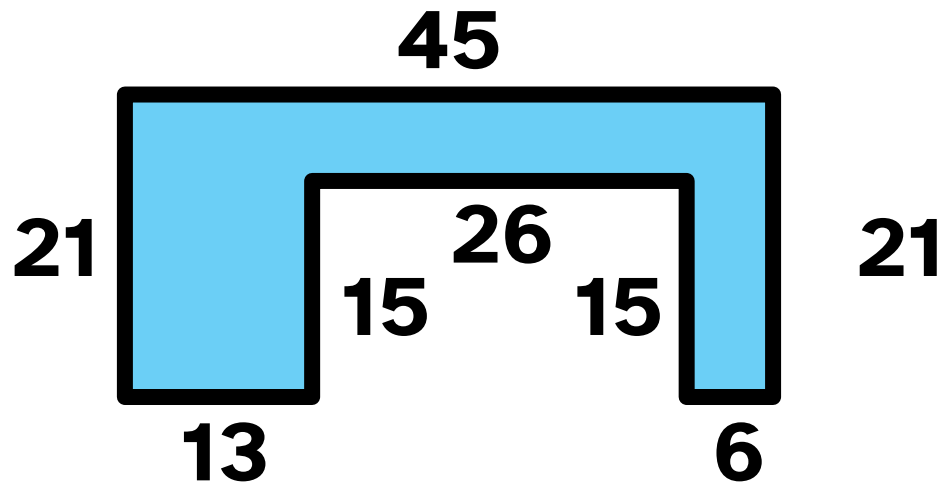
a)



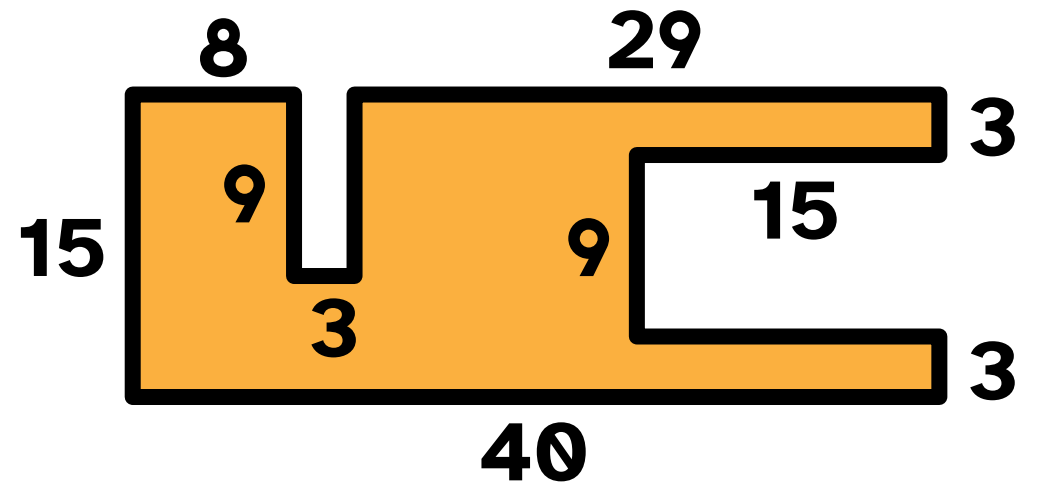
c)

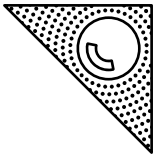


b)

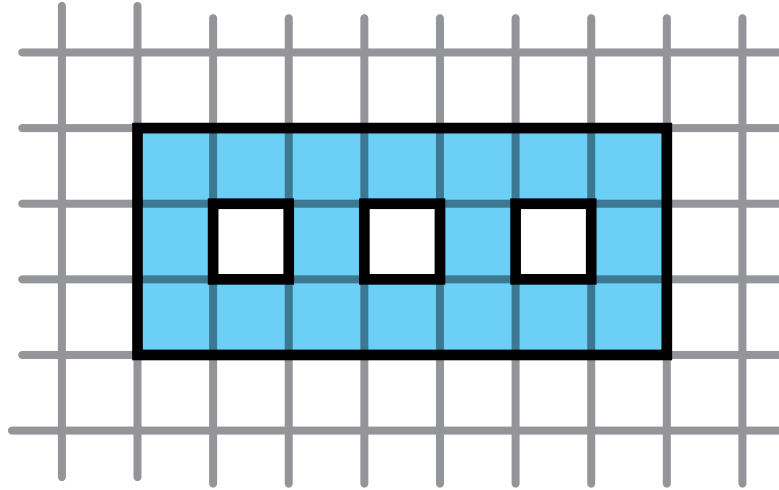


d)

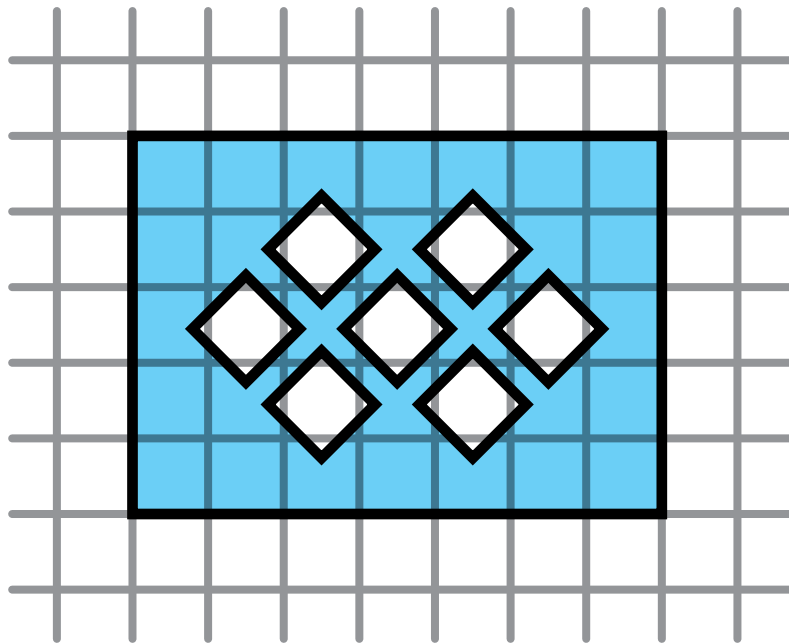




a)



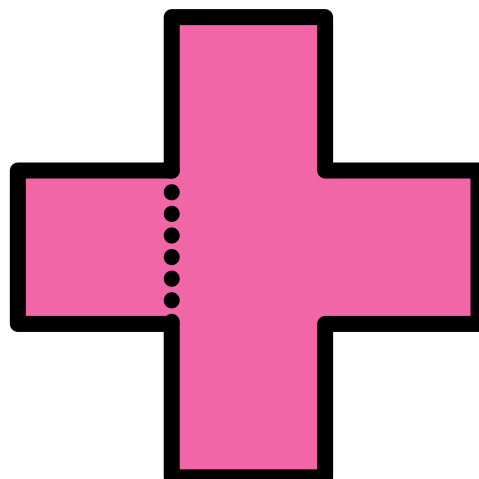
b)



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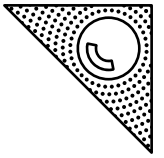
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689



**Plus1 n**

**S.133 696-698**

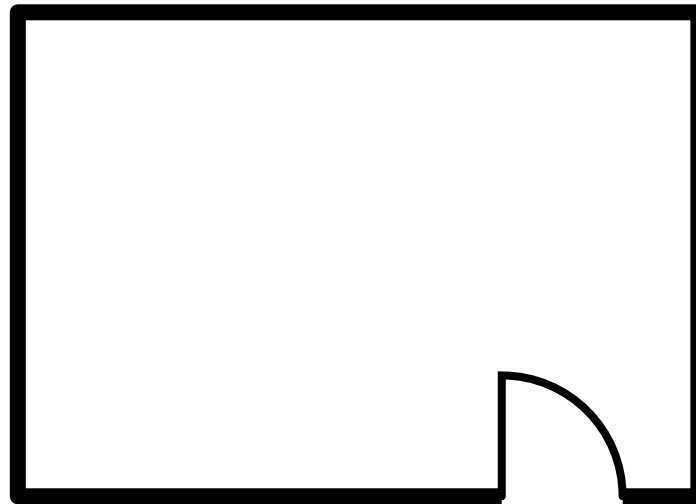


**696**

**4,5**

**1:50**

**3,2**



**0,8**

**0,5**

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**697**

**4,2**

**1:50**

**1,9**



**0,8**

**0,8**

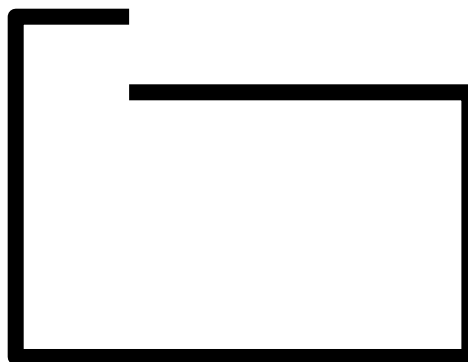
**1,5**

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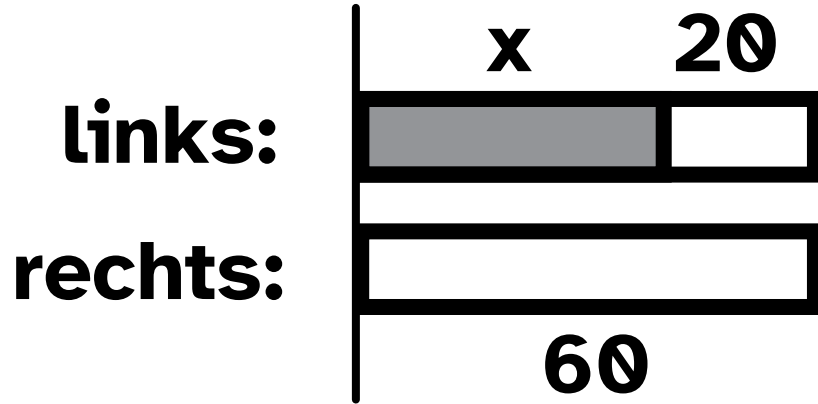
**698**

**1:100**

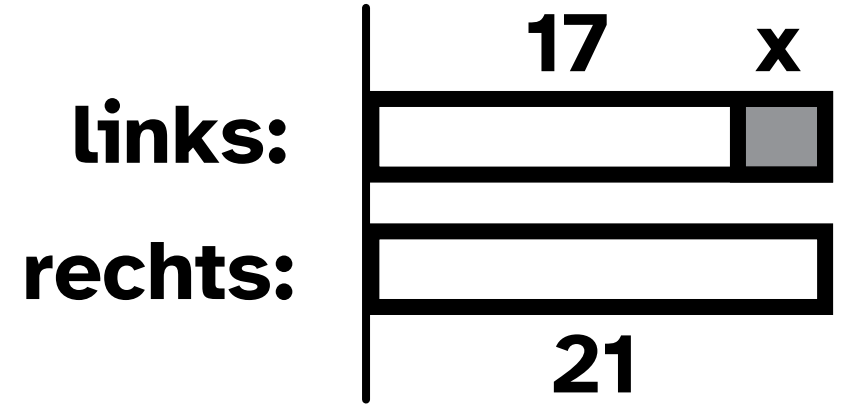


**Plus1 n**

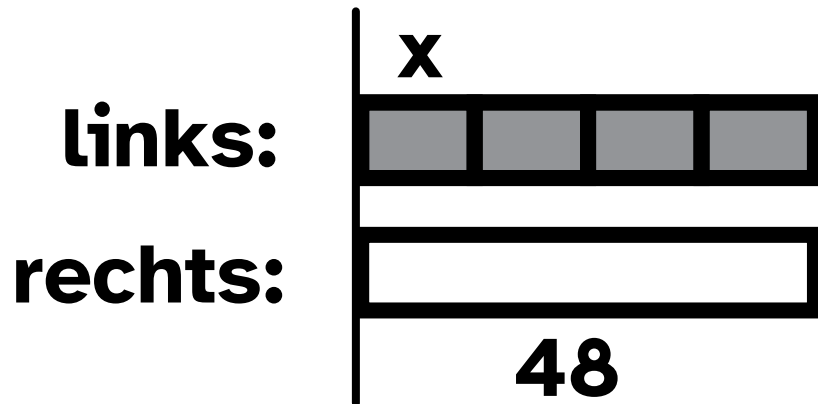
**B**



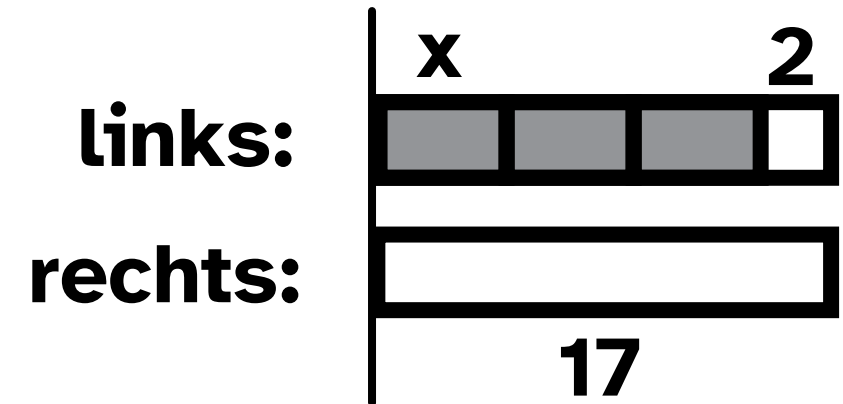
**b)**



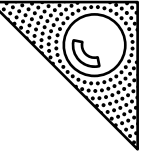
**a)**



**c)**

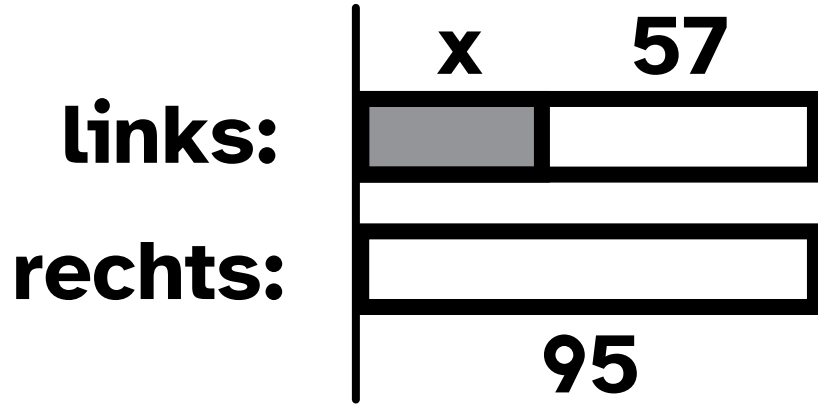


**S.140 735**

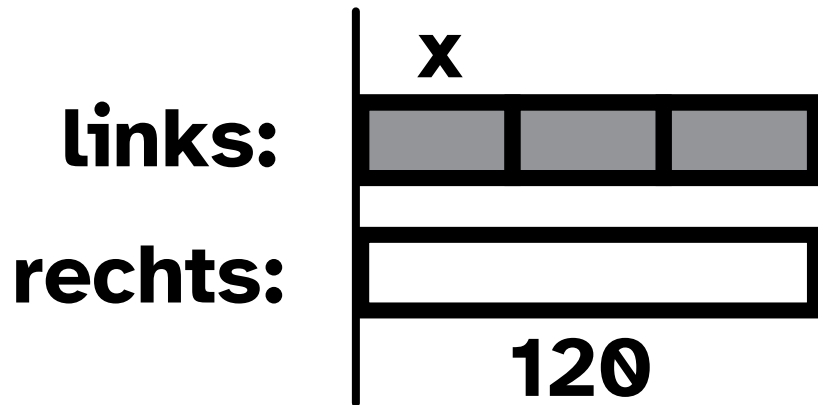


**Plus1 n**

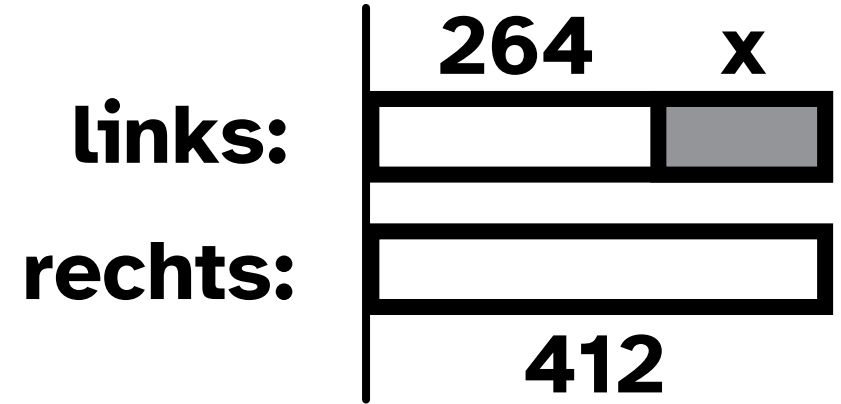
**a)**



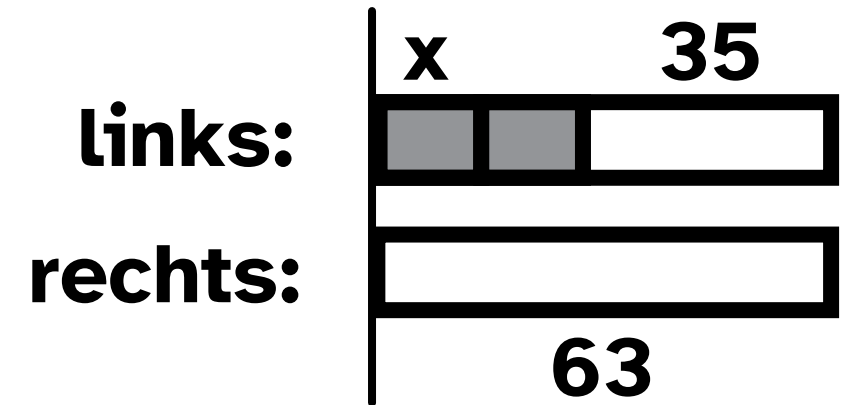
**b)**



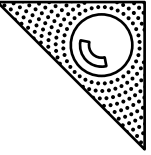
**c)**



**d)**

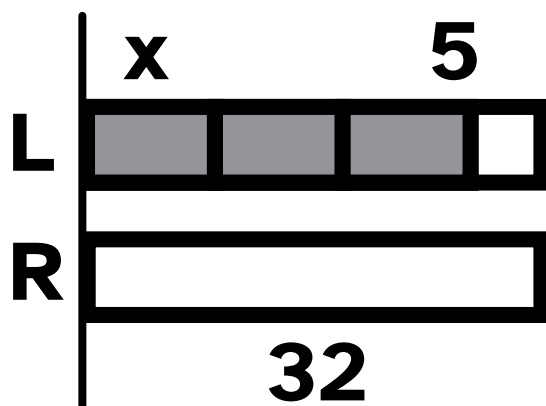
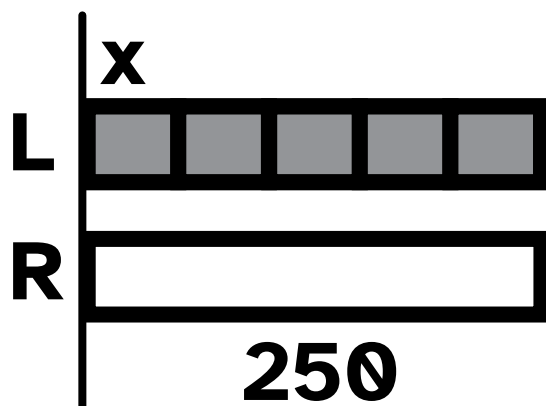
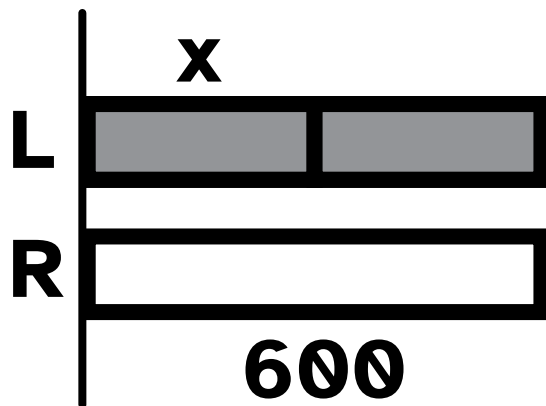
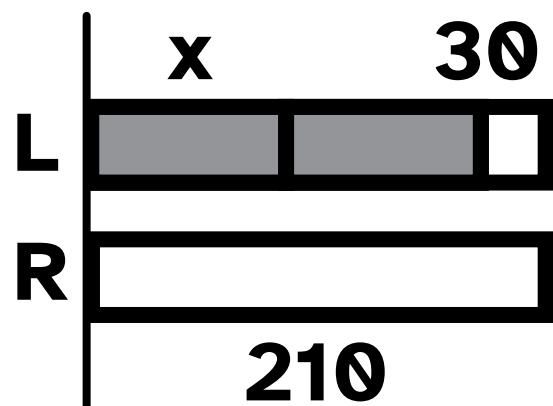
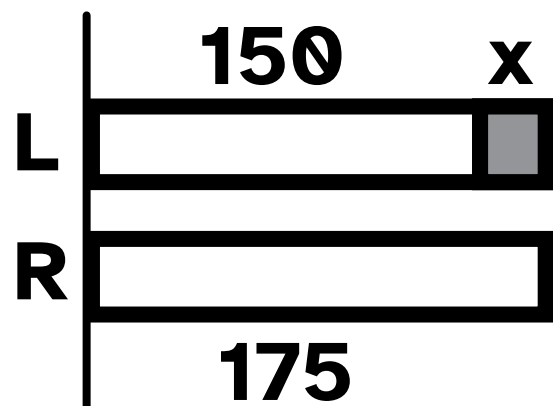
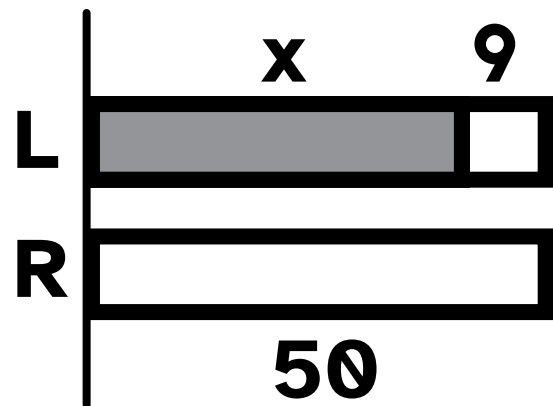


**S.140 736**

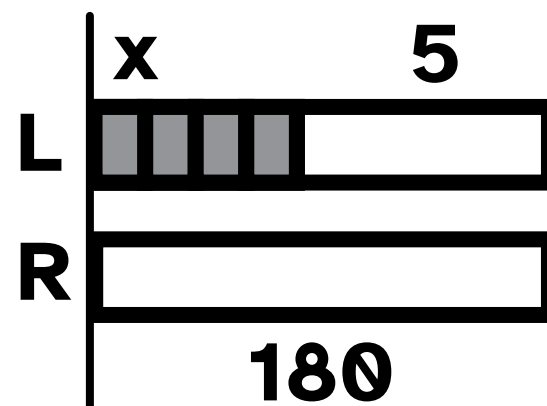
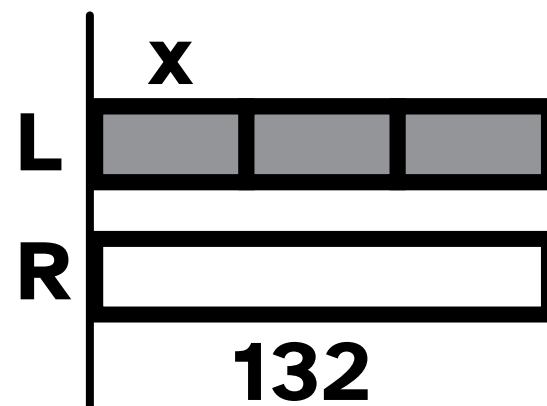
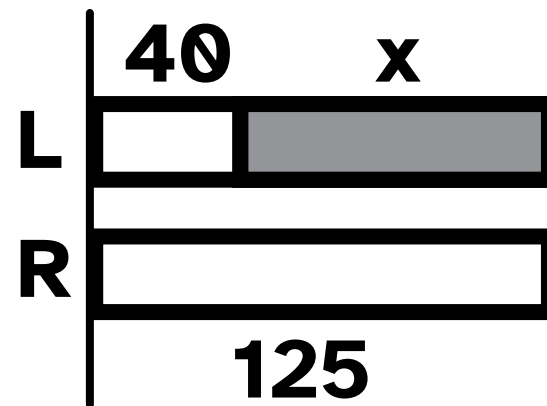
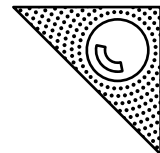




# Plus1 n

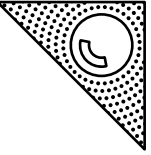


# S.140 737

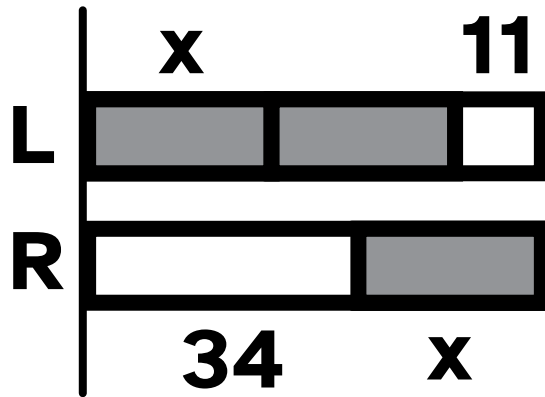


# Plus1 n

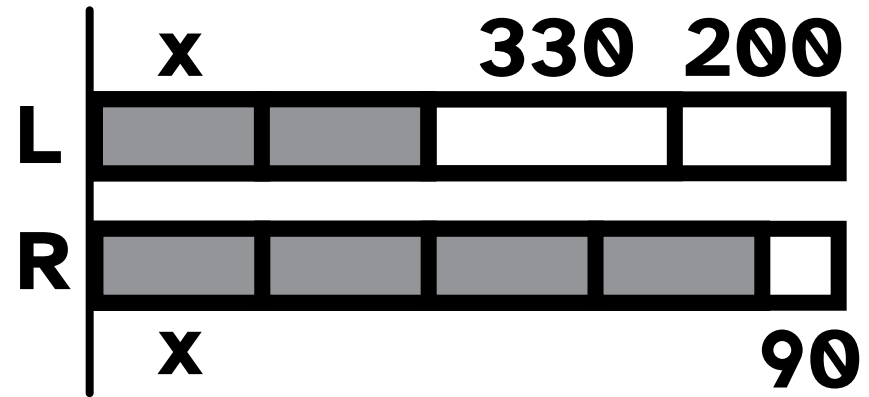
S.140 738, 739



738 a)

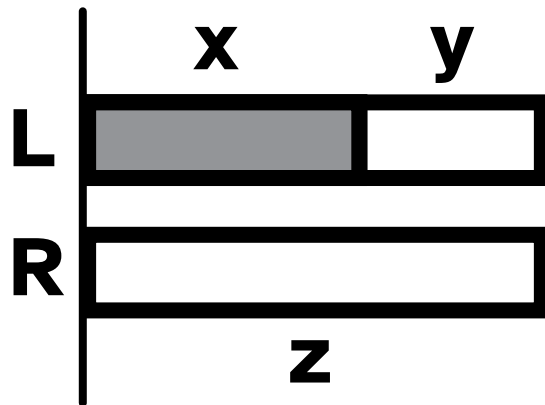


b)



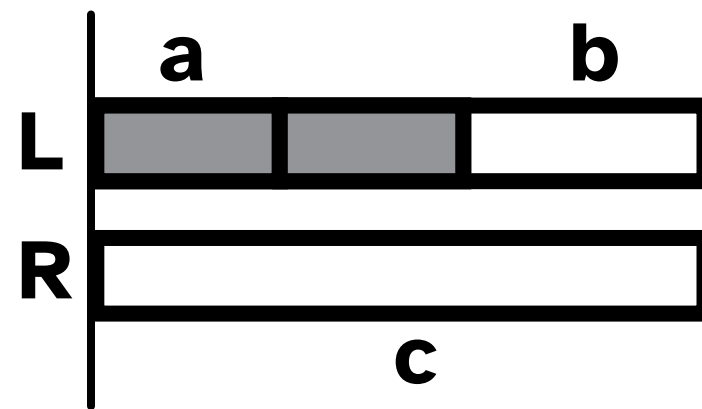
739

a)



$x = x + y$   $x = 2$   $-?$   $y = ?$

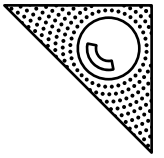
b)



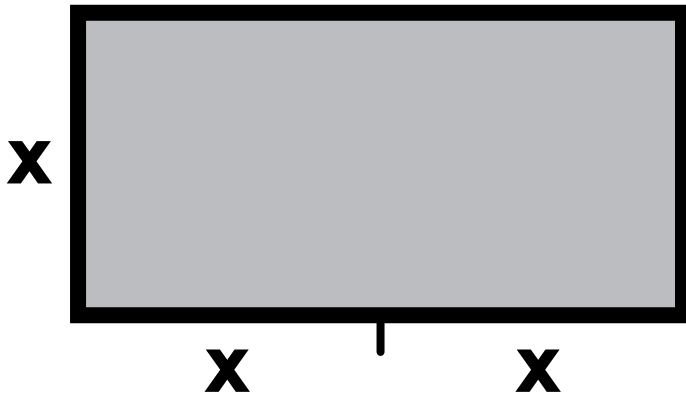
$c = ?$   $b = ?$   $a = ?$

Plus1 n

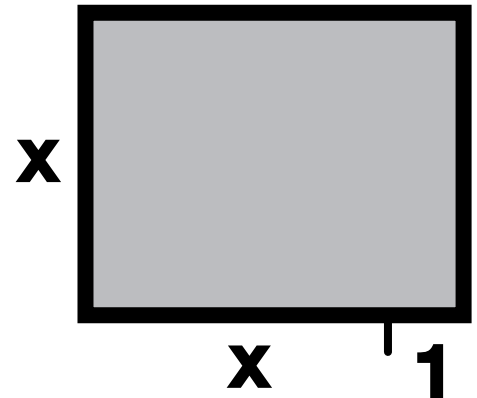
S.141 740-743



740

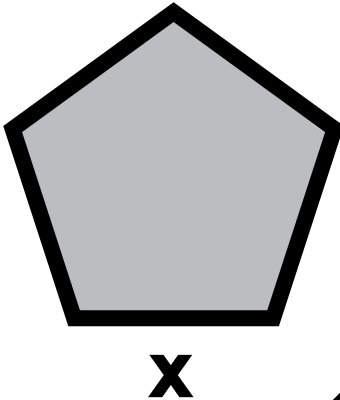


742

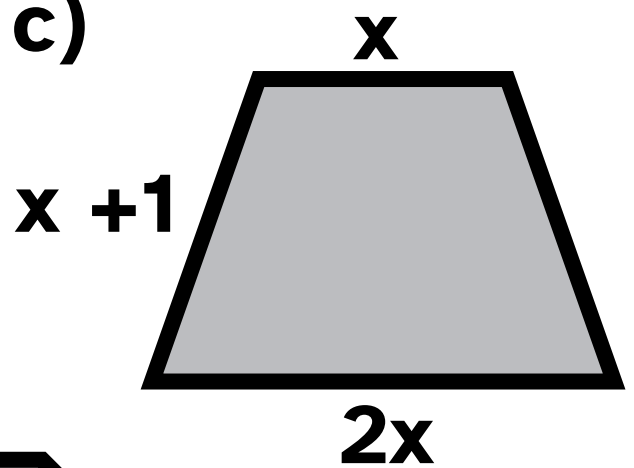


743

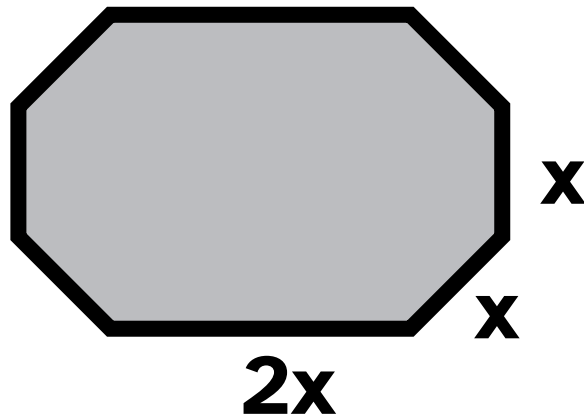
a)



c)

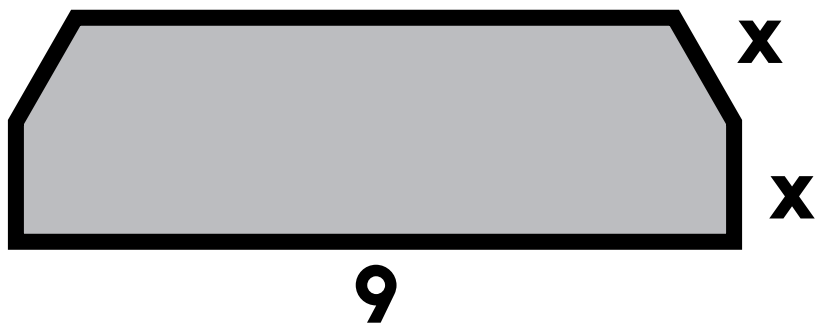


b)



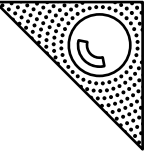
S.143 770

5x

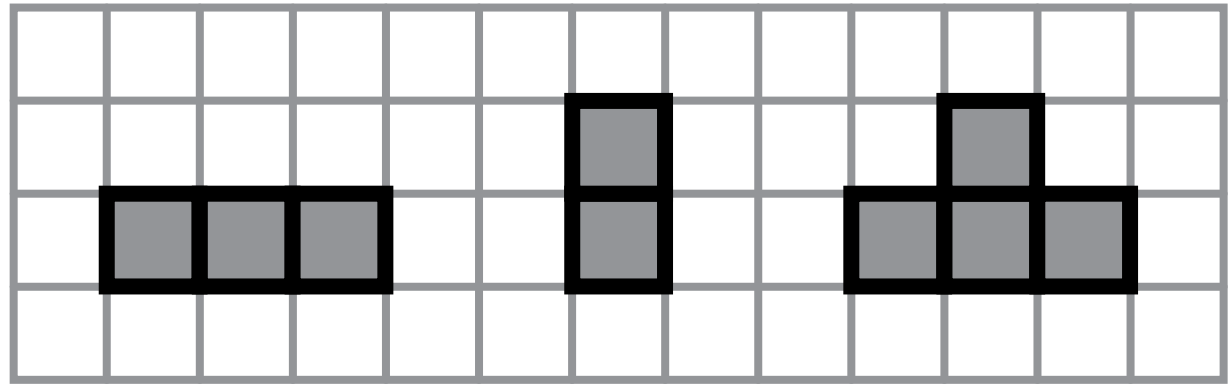
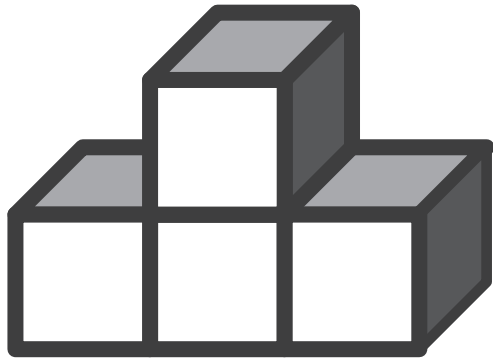


# Plus1 n

S.156 836



a)

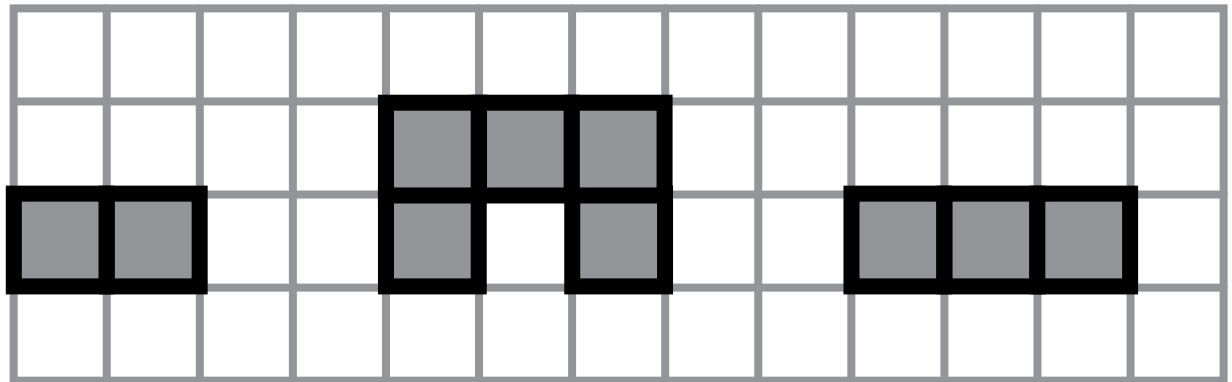
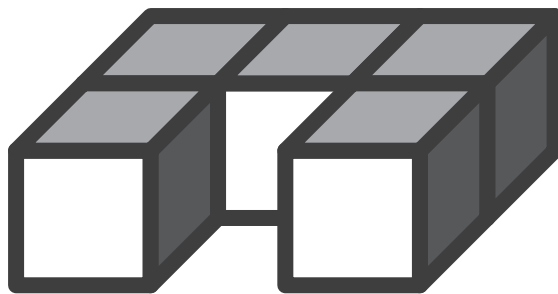


A

B

C

b)



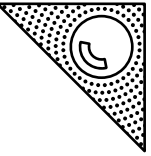
A

B

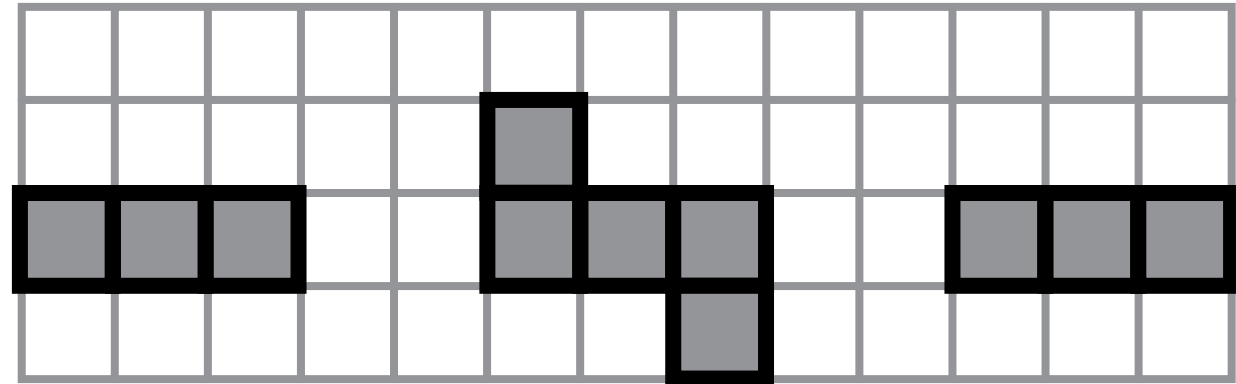
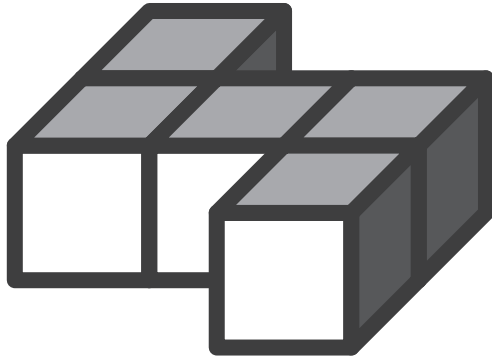
C

**Plus1 n**

**S.156 837 B, a)**



**B**

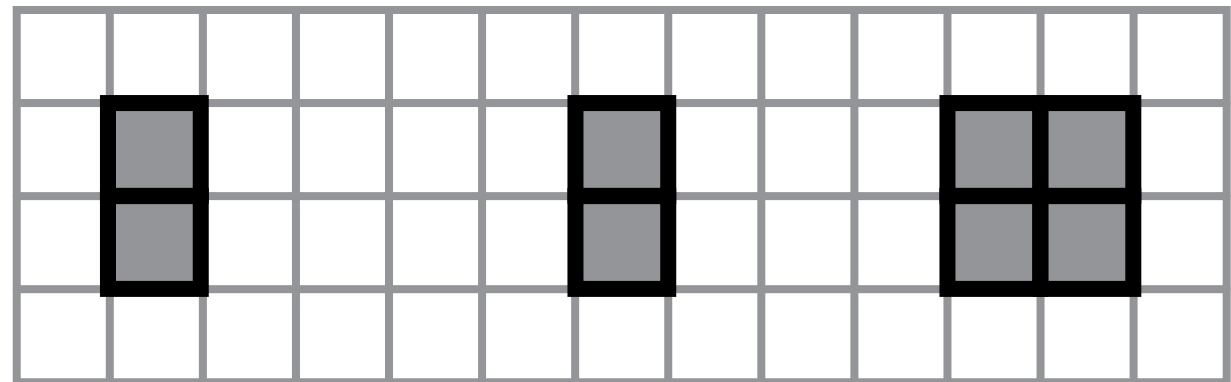
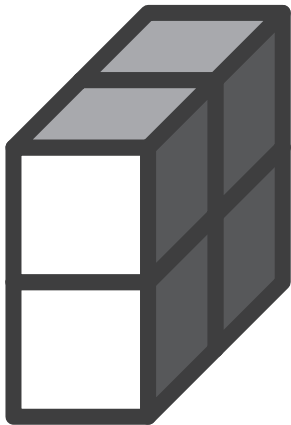


**von vorne**

**von oben**

**von rechts**

**a)**



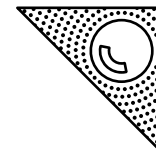
**von vorne**

**von oben**

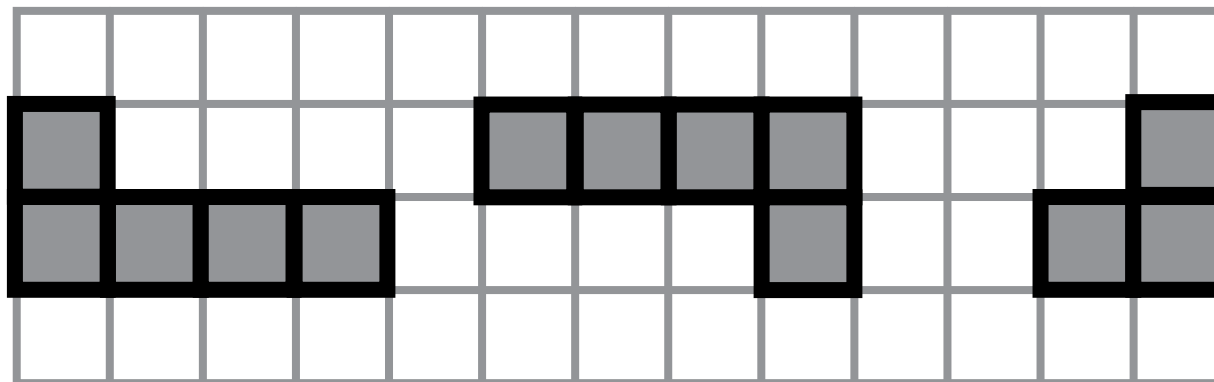
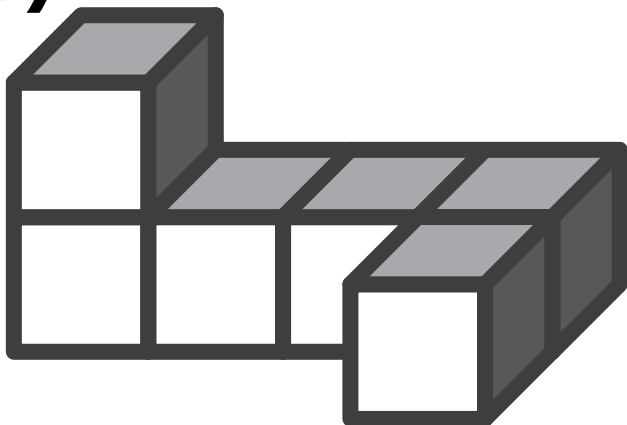
**von rechts**

# Plus1 n

S.156 837 b), c)



b)

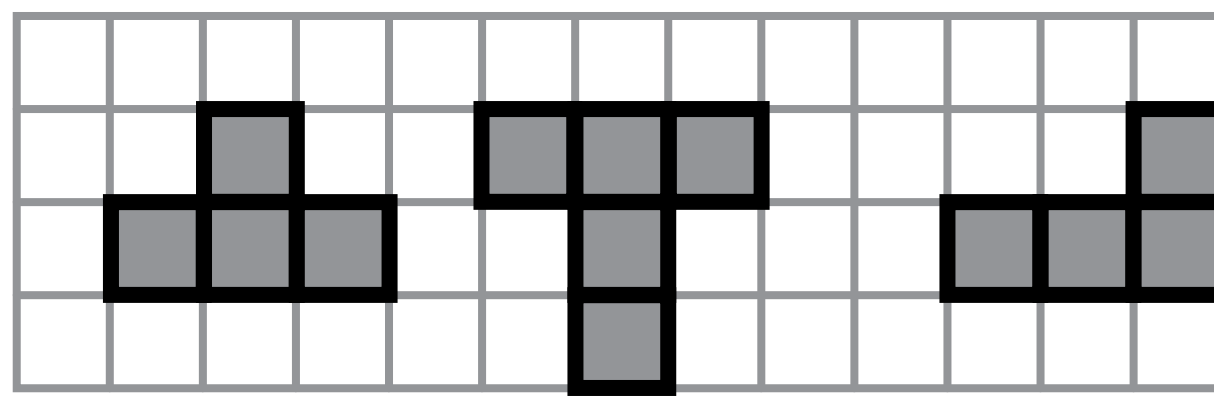
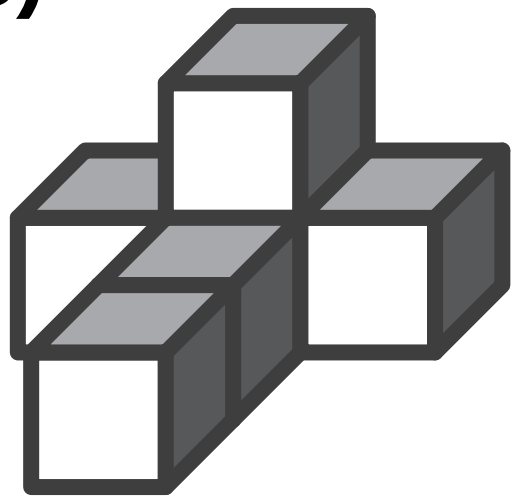


von vorne

von oben

von rechts

c)



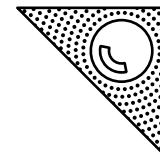
von vorne

von oben

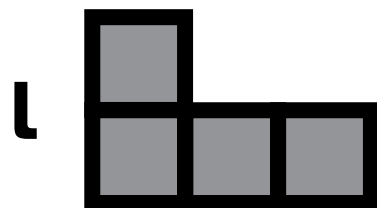
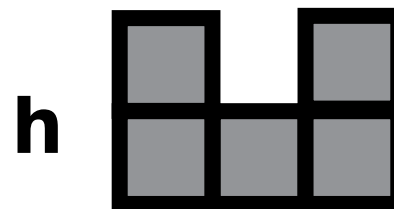
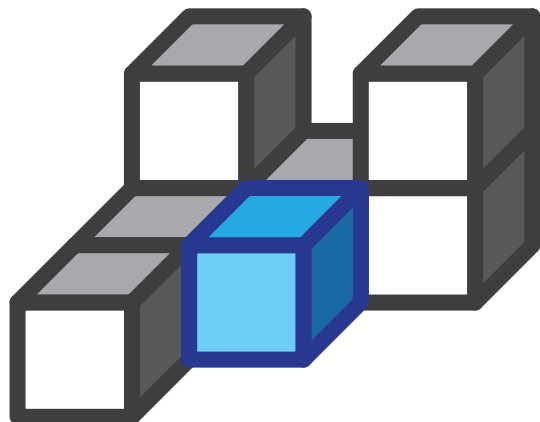
von rechts

**Plus1 n**

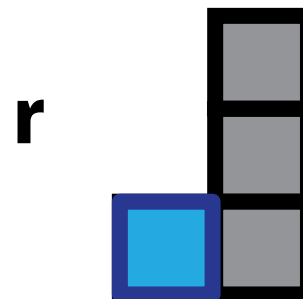
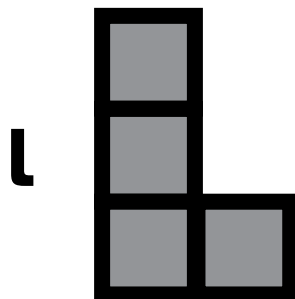
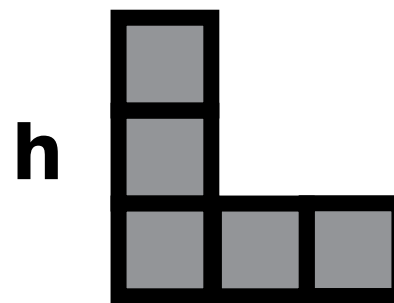
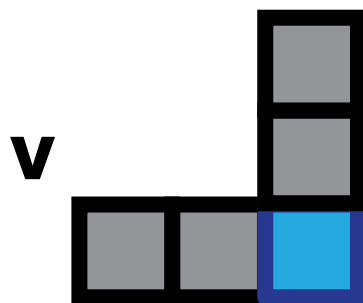
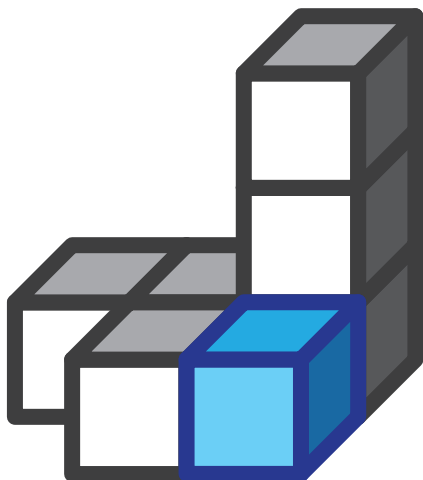
**S.157 839 B, a)**



**B**

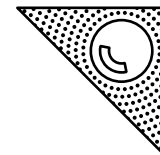


**a)**

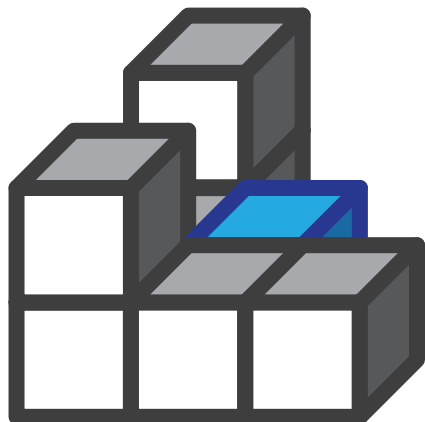


# Plus1 n

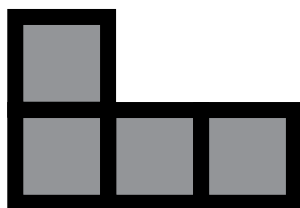
## S.157 839 b), c)



### b)



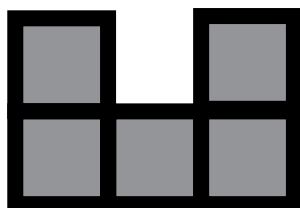
v



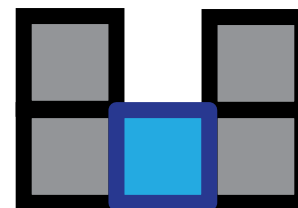
h



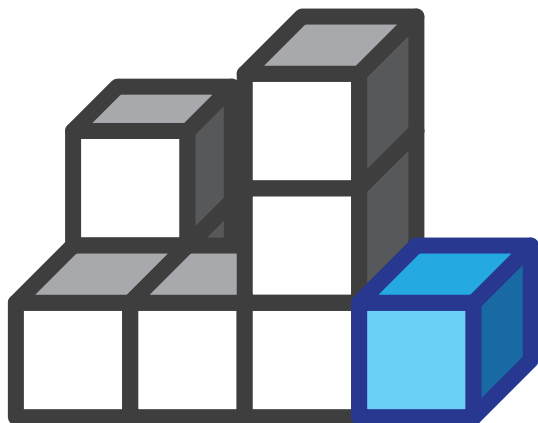
l



r



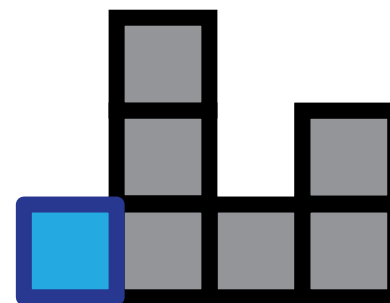
### c)



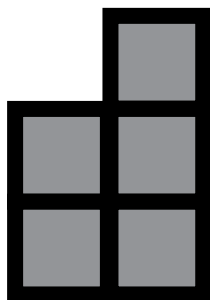
v



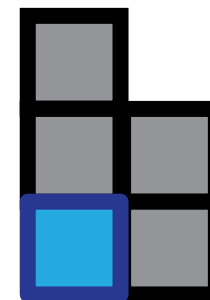
h



l



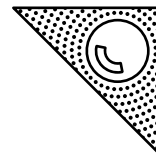
r



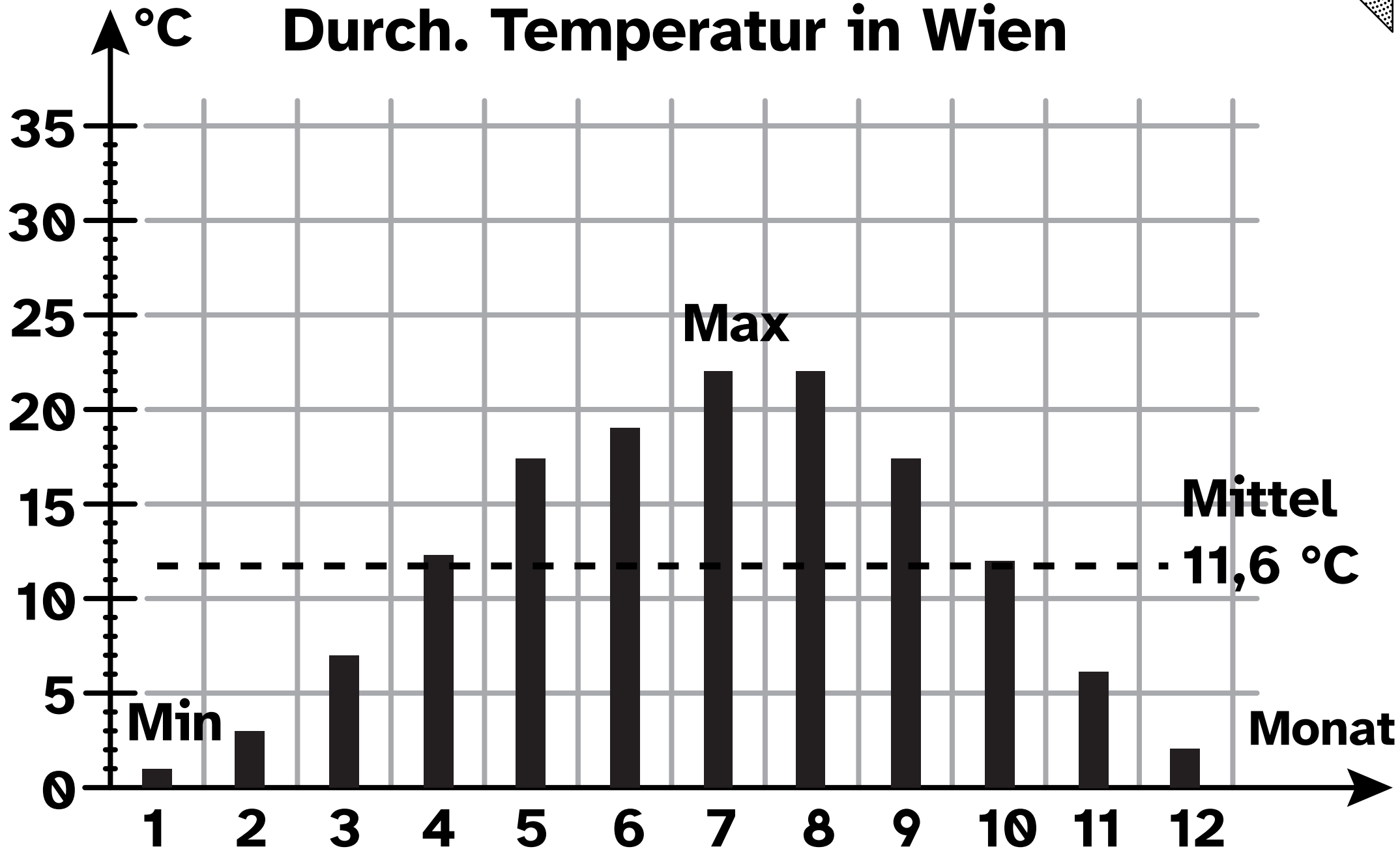


Plus1 n

S.166 879 1/3

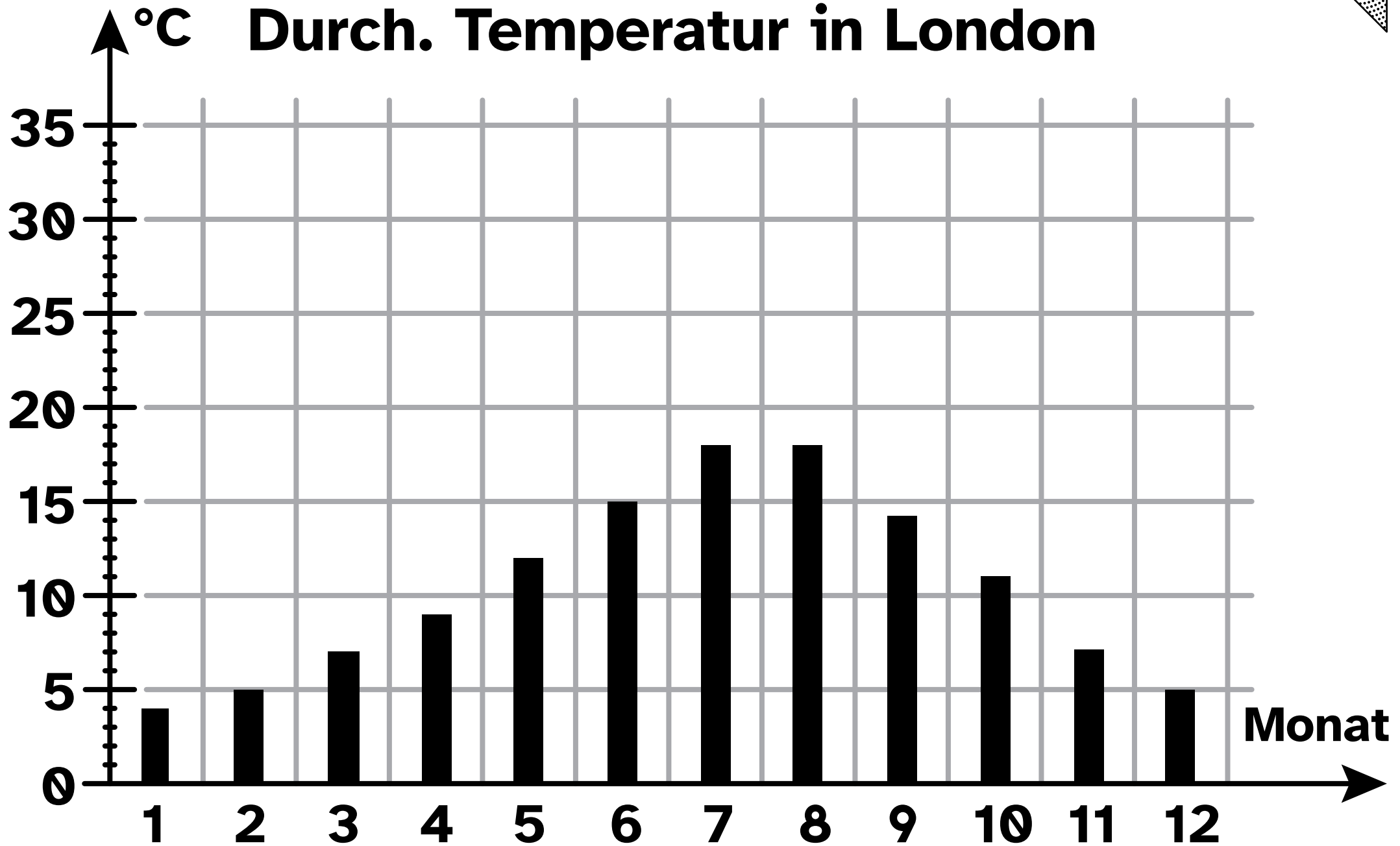
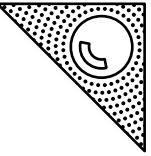


# Durch. Temperatur in Wien



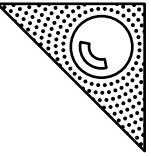
Plus1 n

S.166 879 2/3

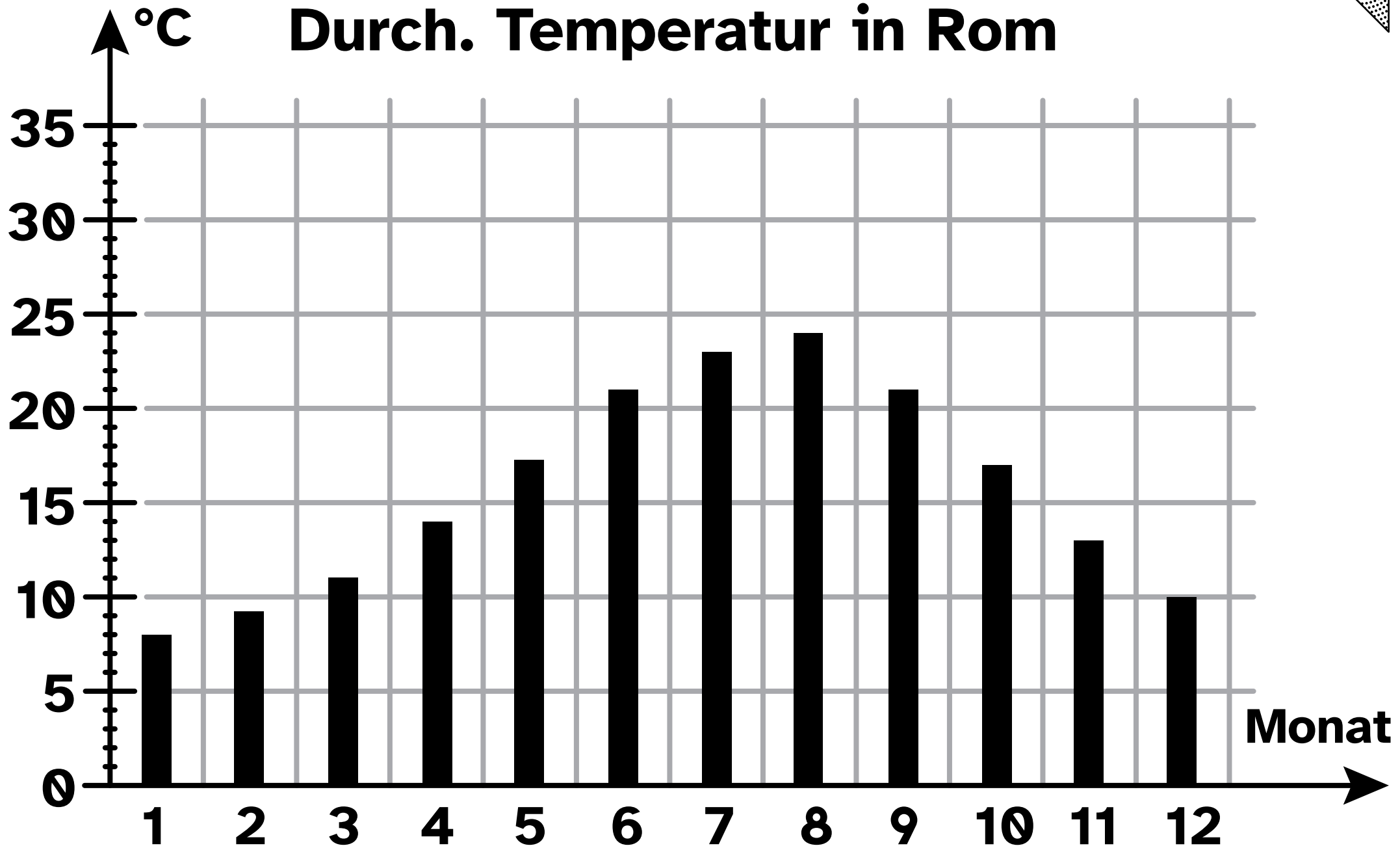


Plus1 n

S.166 879 3/3

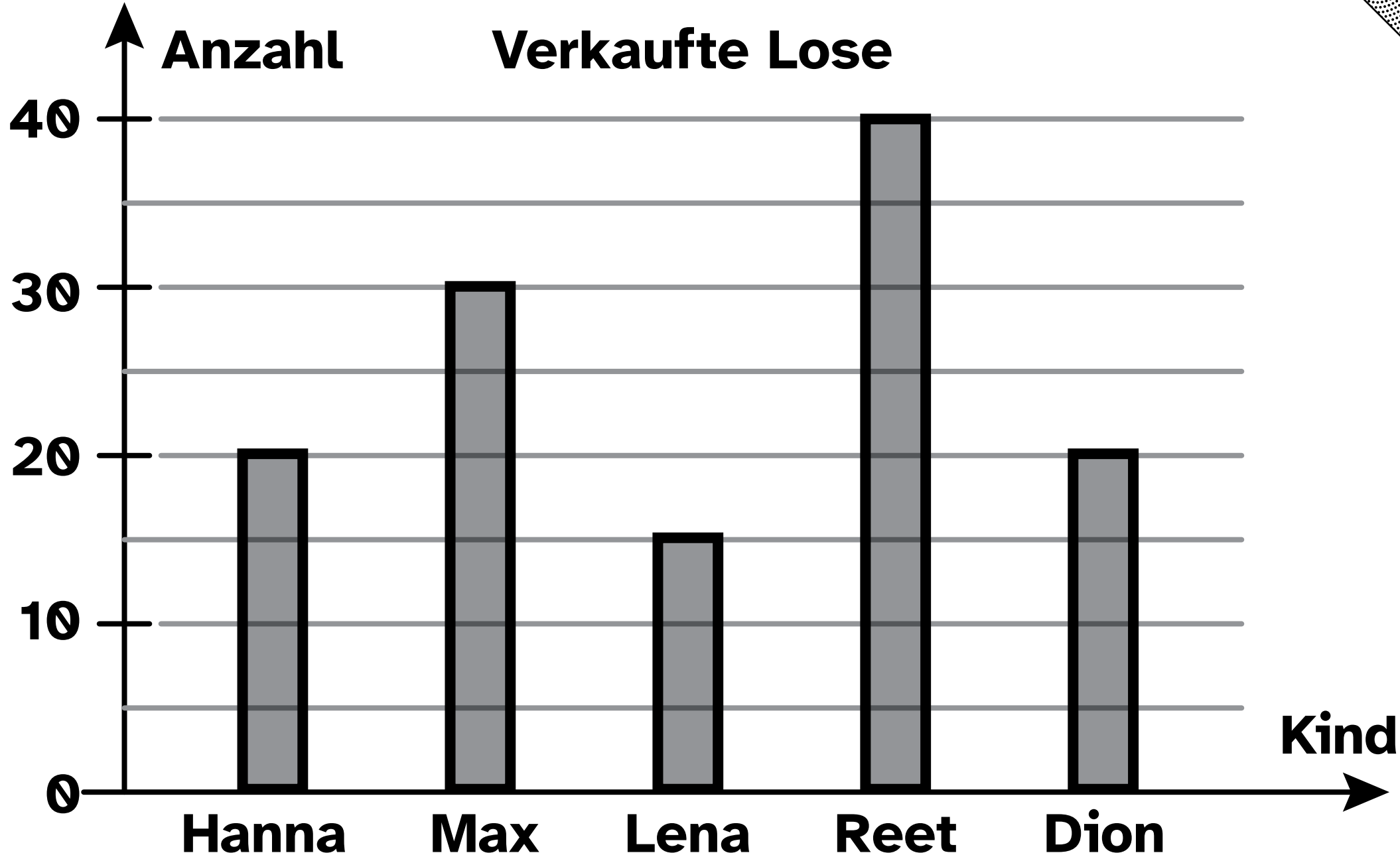
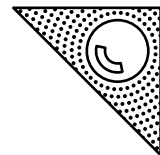


# Durch. Temperatur in Rom



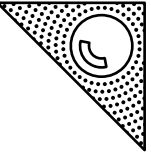
**Plus1 n**

**S.166 880**



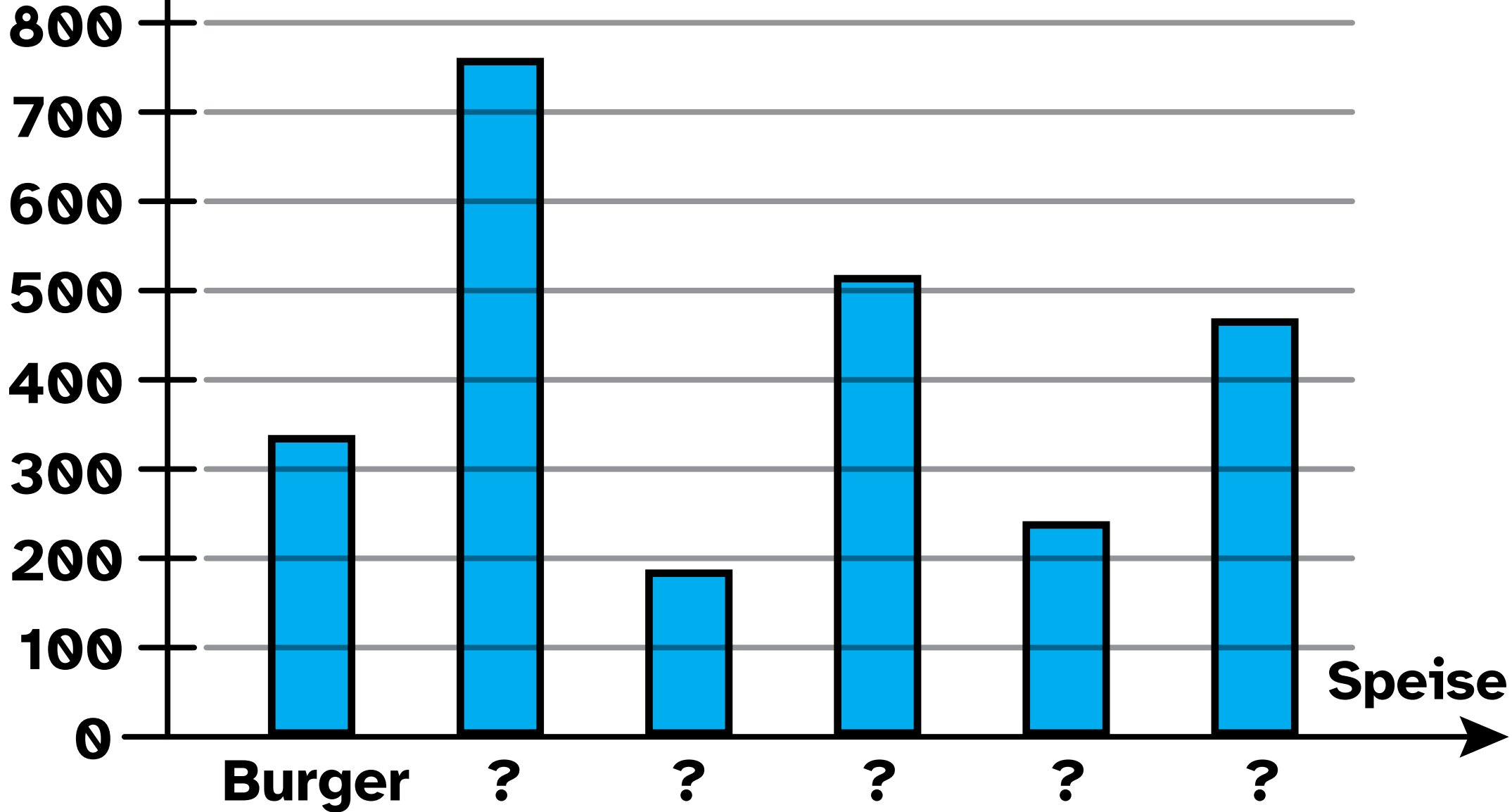
Plus1 n

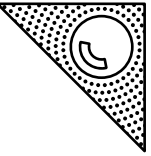
S.167 881



kcal

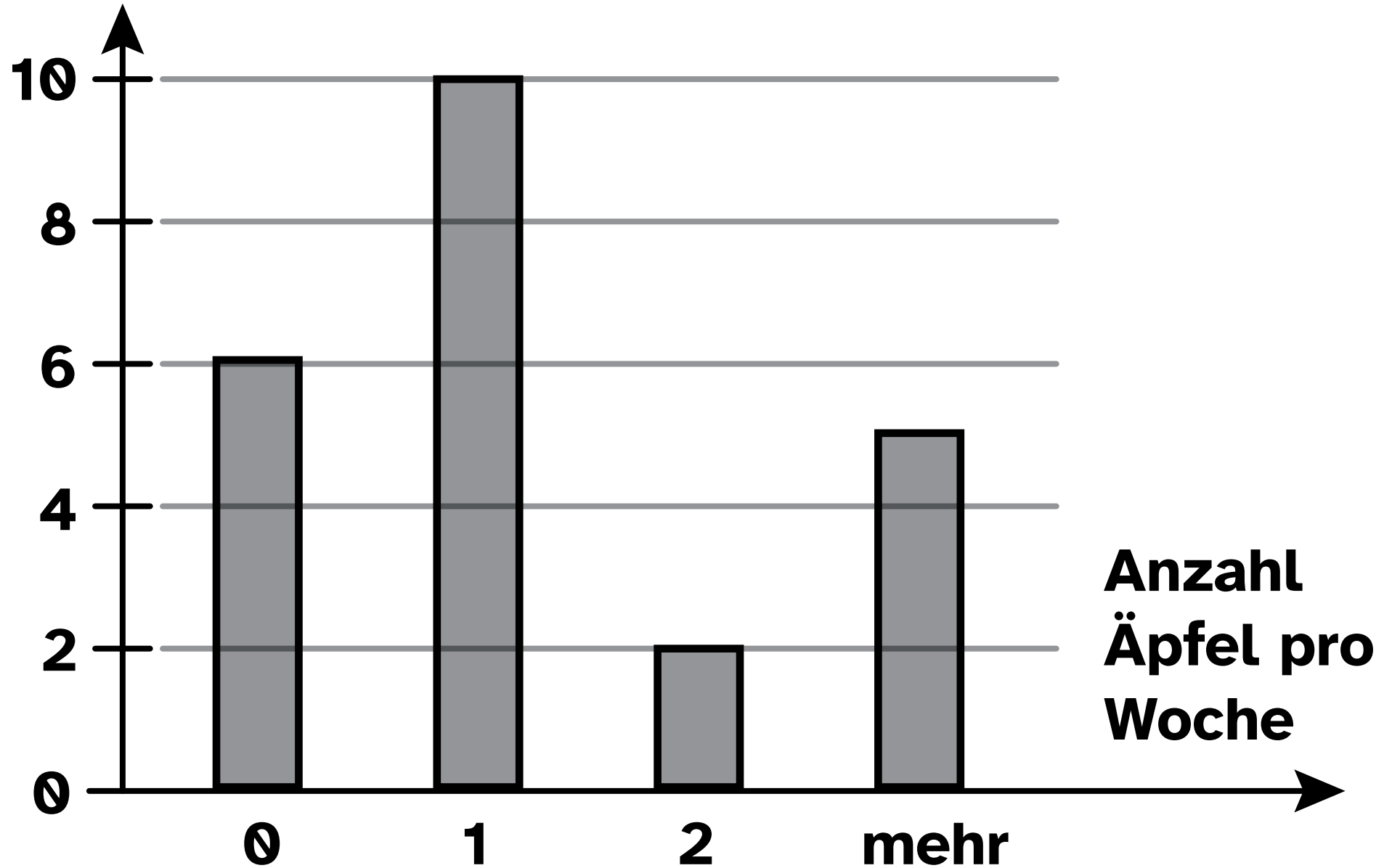
Nährwerte

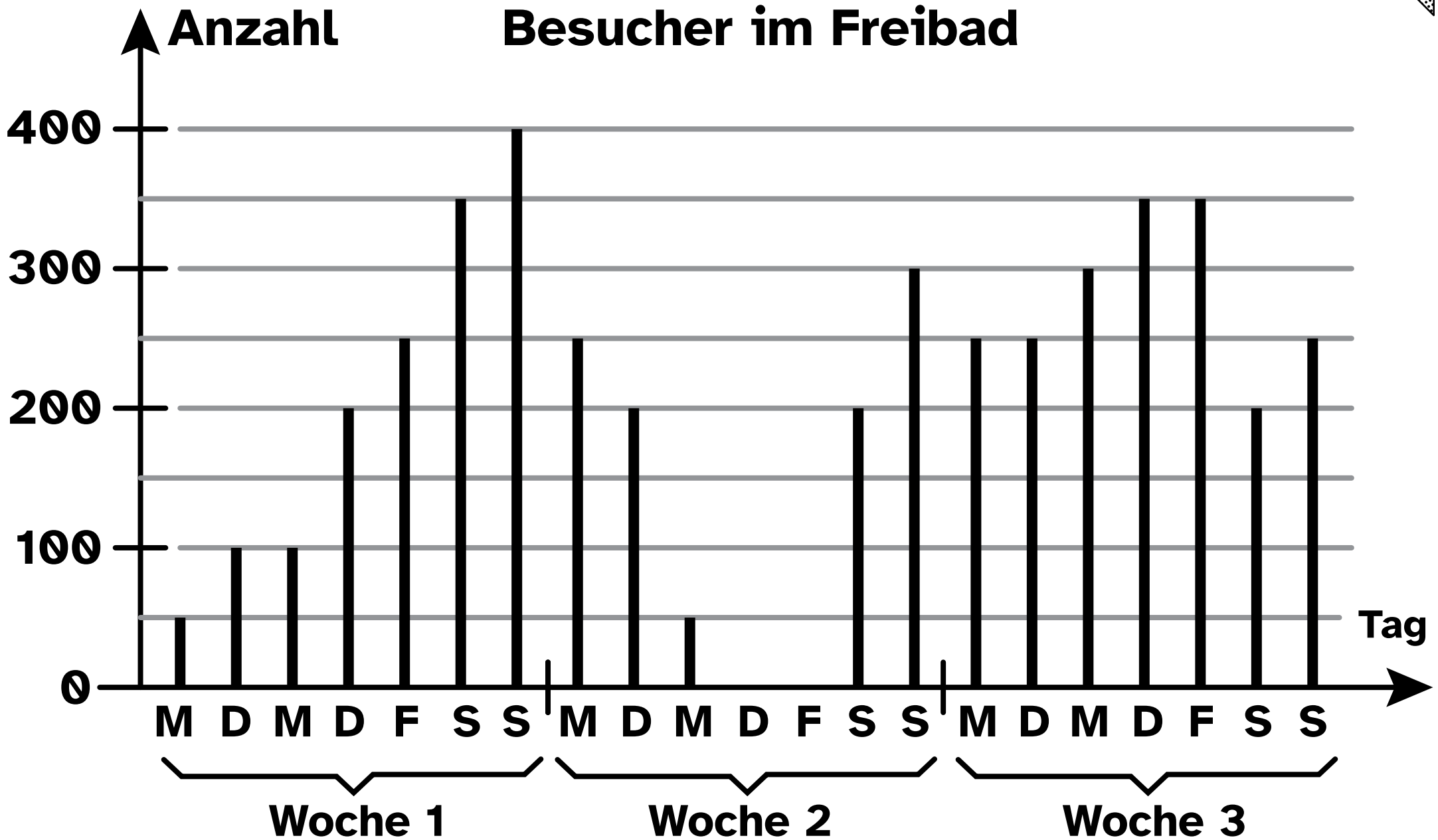
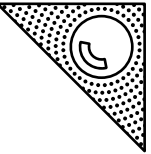




Anzahl Kinder

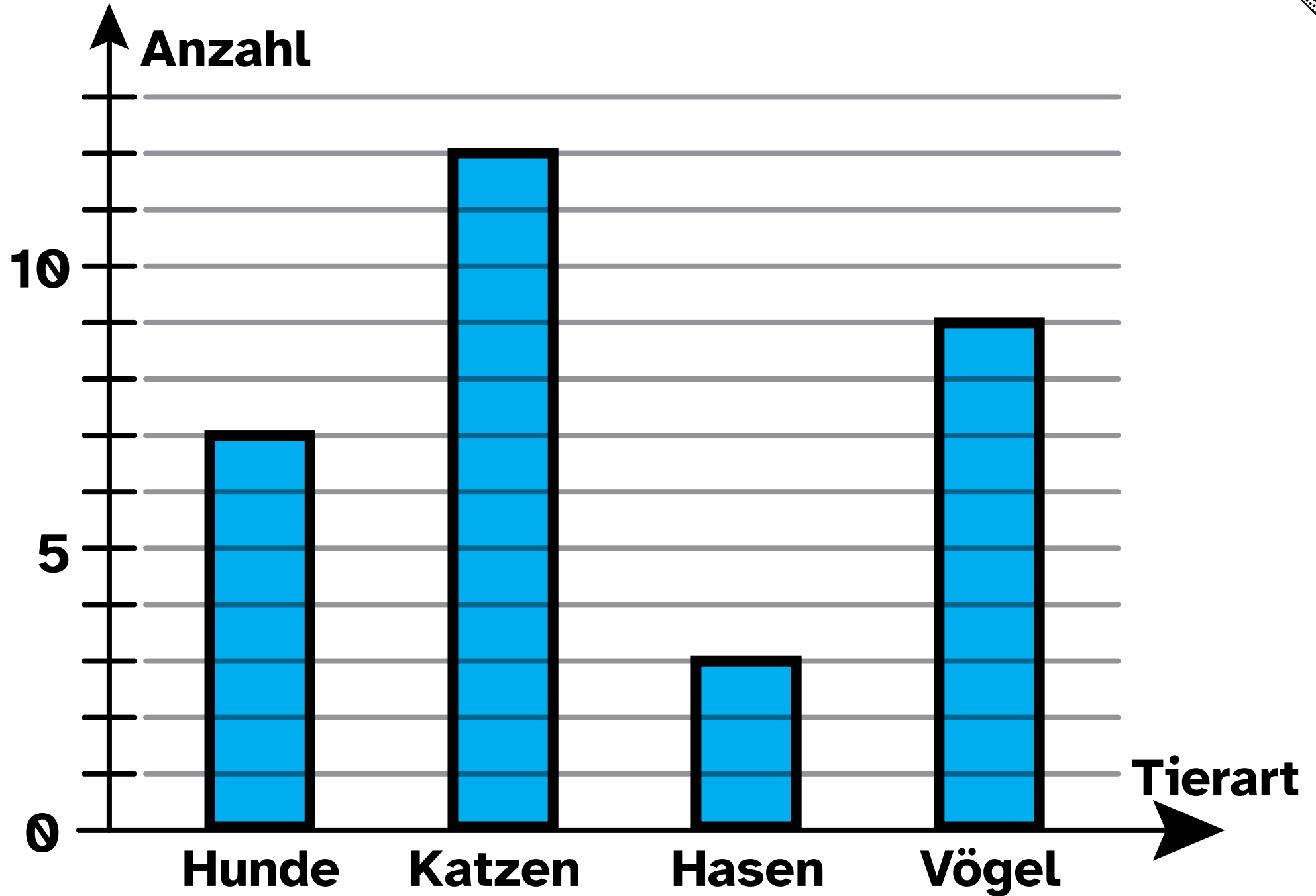
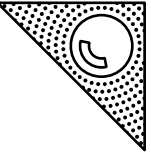
Umfrage



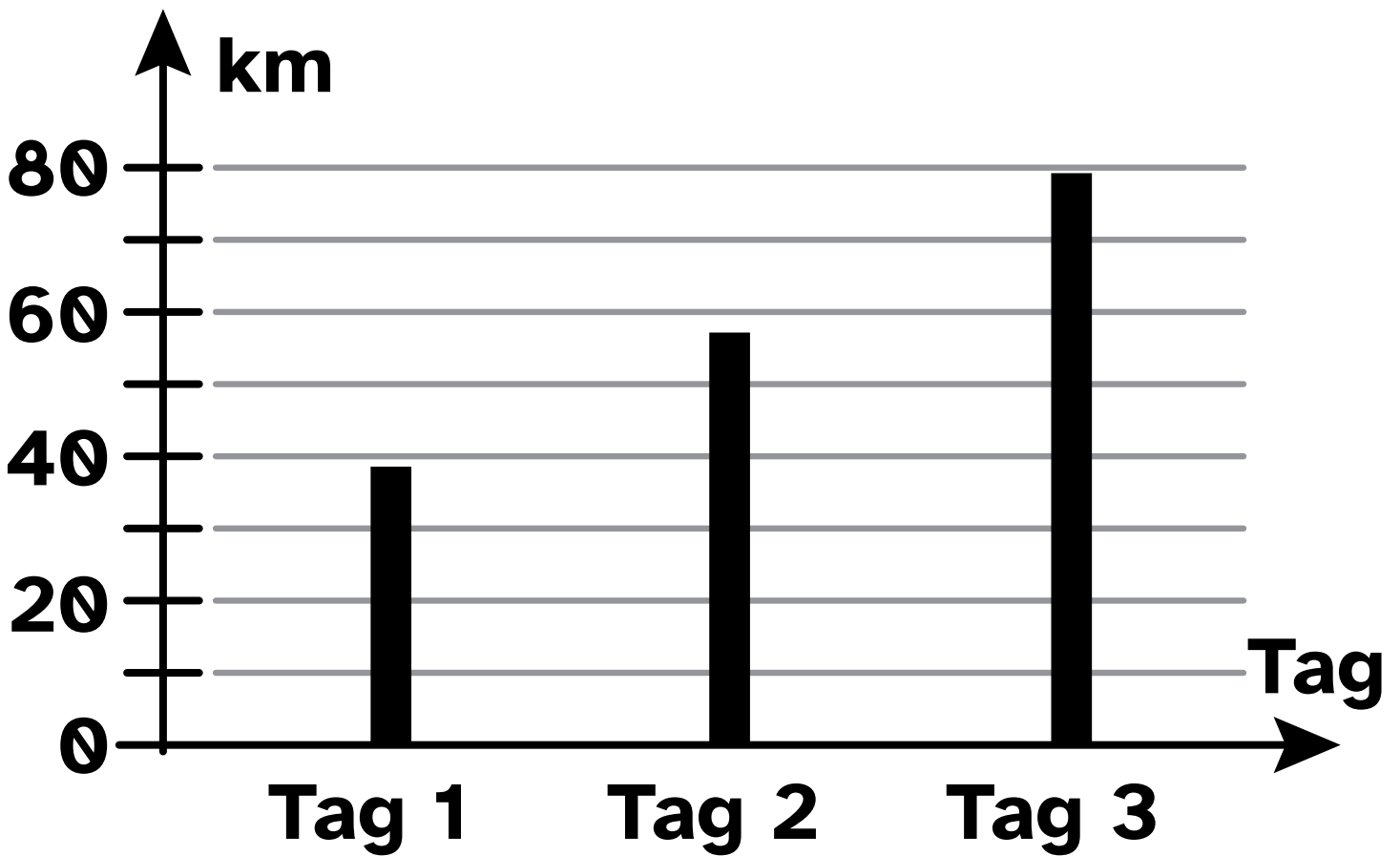
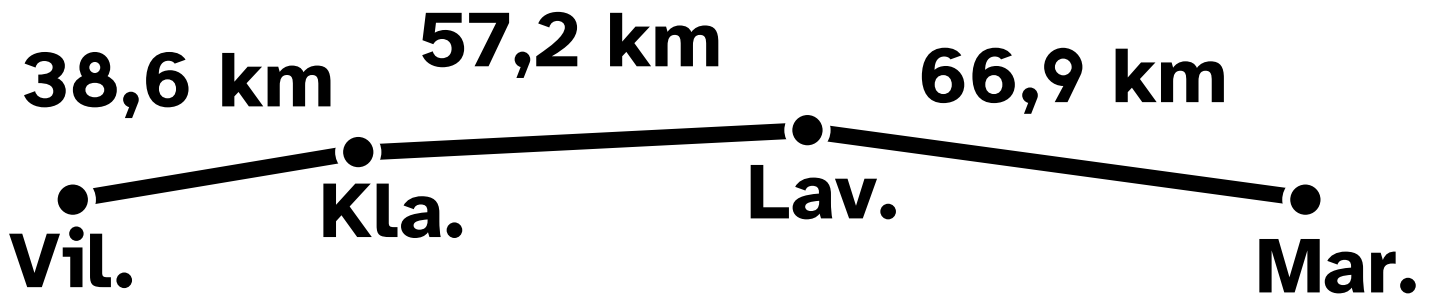
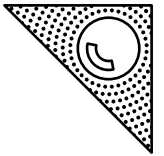


Plus1 n

S.167 886







**Plus1 n**

**S.171 901**

