

Wiederholung (ganze Zahlen)

Wir wiederholen das Addieren mit ganzen positiven und negativen Zahlen:

1. $15 + (-6) =$

2. $(-18) + 25 =$

3. $27 + (-64) =$

4. $(-84) + 31 =$

5. $13 + (-24) =$

6. $(-31) + 25 =$

7. $54 + (-53) =$

8. $(-104) + 25 =$

9. $(-57) + 85 =$

10. $97 + (-201) =$

11. $254 + (-300) =$

12. $(-541) + 250 =$

13. $(-240) + 60 =$

14. $(-57) + 62 =$

15. $(-120) + 80 =$

16. $246 + (-196) =$

17. $350 + (-170) =$

18. $27 + (-35) =$

19. $(-84) + 54 =$

20. $(-23) + (-17) =$

21. $(-63) + 14 =$

22. $(-13) + (-8) =$

Wir wiederholen das Subtrahieren mit ganzen positiven und negativen Zahlen:

1. $(+15) - (+6) =$

2. $25 - (-15) =$

3. $(-64) - 24 =$

4. $36 - (-12) =$

5. $210 - (-25) =$

6. $(-247) - (-250) =$

7. $(-850) - 280 =$

8. $850 - (-820) =$

9. $(-58) - (+25) =$

10. $(+75) - (-25) =$

11. $(-140) - (+32) =$

12. $(+65) - (-35) =$

13. $(+88) - (-25) =$

14. $(-985) - (-720) =$

15. $(+95) - (+12) =$

16. $(-320) - (-180) =$

17. $(+25) - (-30) =$

18. $(-64) - (+24) =$

19. $(+28) - (-42) =$

20. $(+104) - (-34) =$

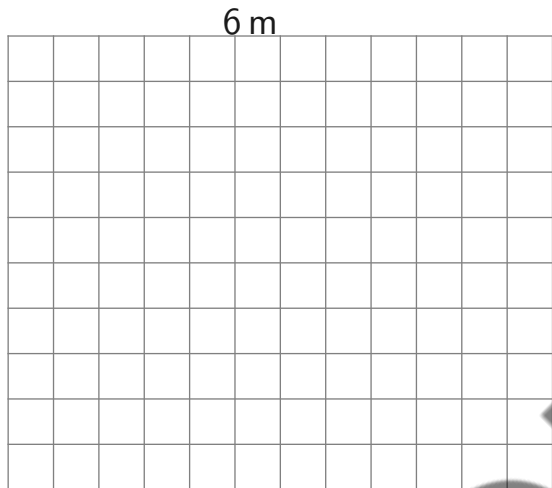
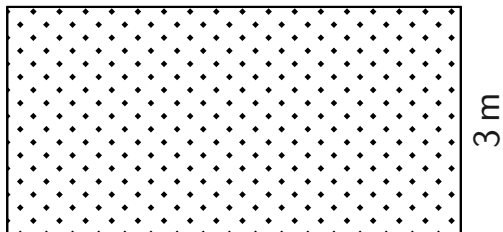
21. $(+104) - 34 =$

22. $(-14) - (-14) =$

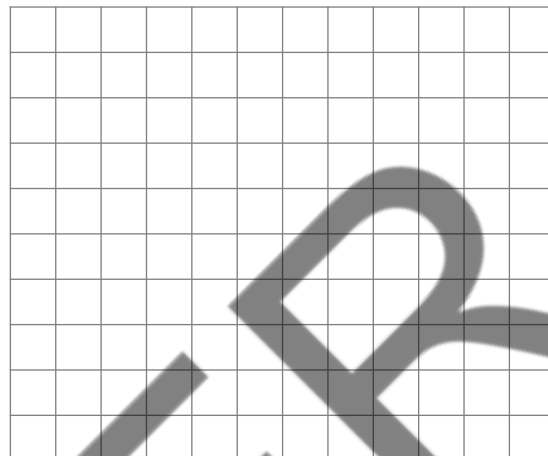
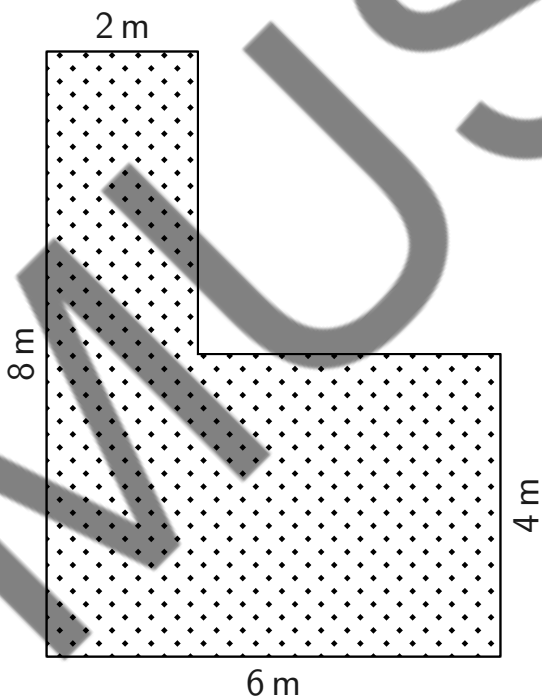
Flächenberechnungen

Berechne den Umfang und den Flächeninhalt der Grundstücke.

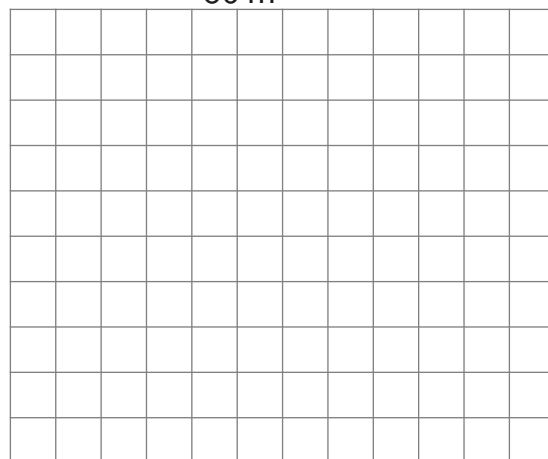
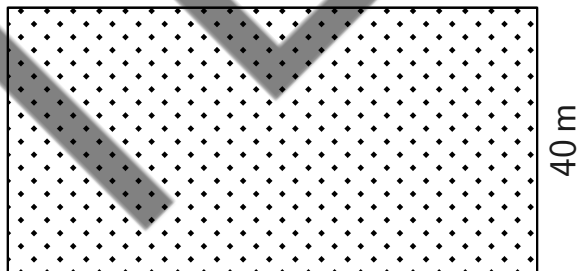
1.



2.

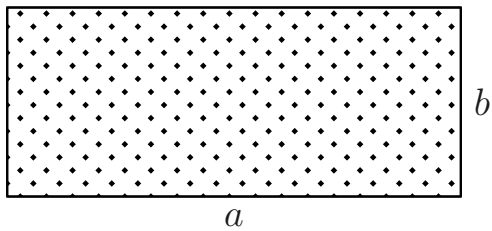


3.



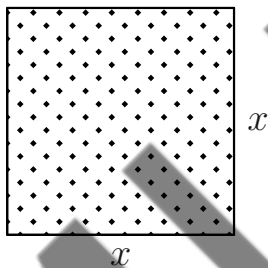
Berechne den Umfang und den Flächeninhalt der verschiedenen Flächen für verschiedene Variablenwerte. Schreibe jeweils eine Formel (Term) auf.

1.



a	b	Umfang	Flächeninhalt
1 cm	2 cm		
4 cm	3 cm		
5 cm	4 cm		
10 cm	3 cm		
15 cm	3 cm		
10 cm	5 cm		

2.



x	Umfang	Flächeninhalt
1 m		
4 m		
5 m		
10 m		
12 m		
15 m		

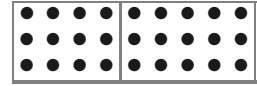
Terme mit Klammern

Die Anzahl der Punkte in dem Rechteck kann auf verschiedene Arten berechnet werden:

$$4 \cdot 3 + 5 \cdot 3 = 12 + 15 = 27 \quad \text{oder}$$

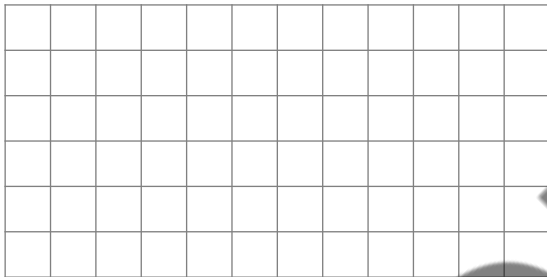
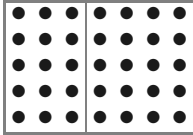
$$3 \cdot 4 + 3 \cdot 5 = 12 + 15 = 27 \quad \text{oder} \quad 9 \cdot 3 = 27 \quad \text{oder}$$

$$3 \cdot 9 = 27 \quad .$$

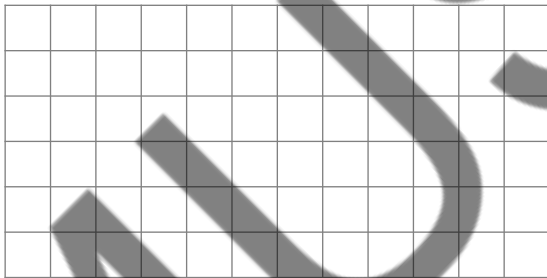
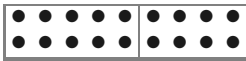


Berechne bei den folgenden Rechtecken die Anzahl der Punkte auf verschiedene Arten:

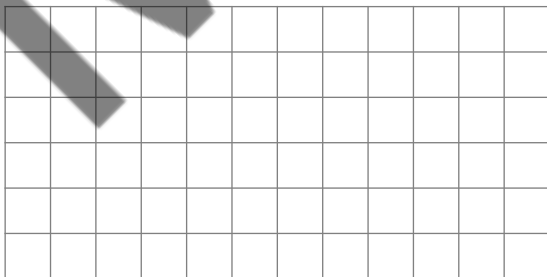
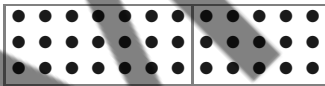
1.



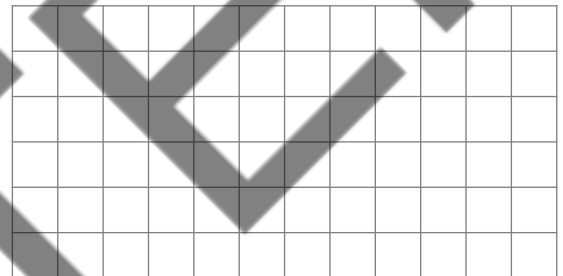
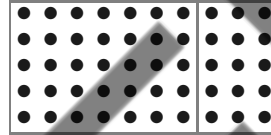
2.



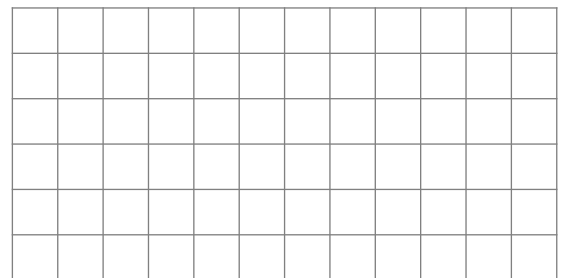
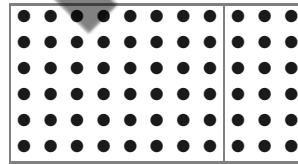
3.



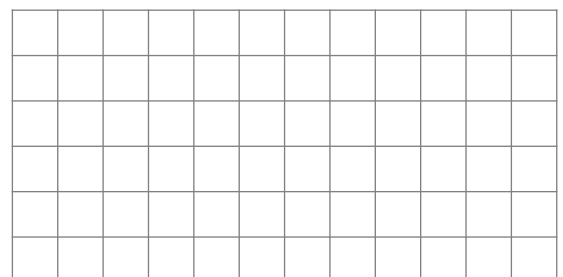
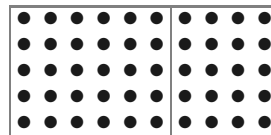
4.



5.

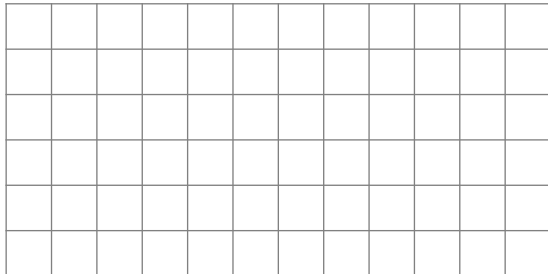
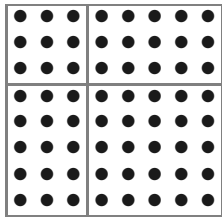


6.

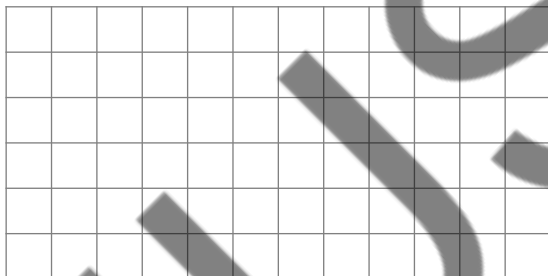
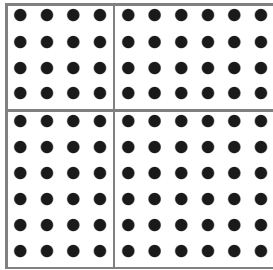


Zwei Klammerterme multiplizieren

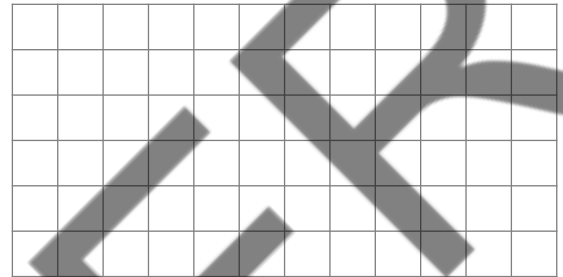
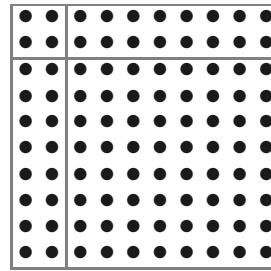
5.



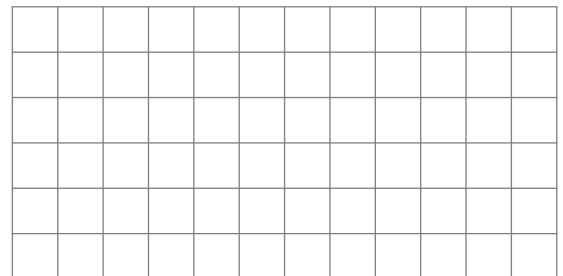
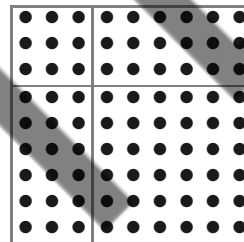
6.



7.



8.



Werden zwei Summenklammern miteinander multipliziert, dann gilt folgende Regel:

$$(a + b) \cdot (c + d) = a \cdot c + a \cdot d + b \cdot c + b \cdot d$$