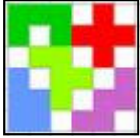
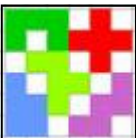
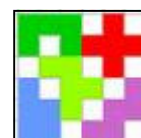
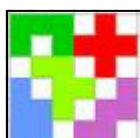
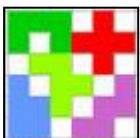
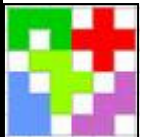
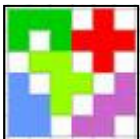
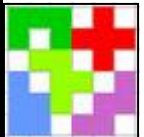
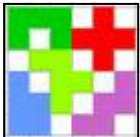


# 8. Geometrietag— Laufzettel:

Name:.....



Station 1: Pentominos anmalen	
Station 2: Figuren nachlegen	
Station 3: Figuren auslegen	
Station 4: Pentominos vergrößern	
Station 5: Figuren erfinden	
Station 6. Deutsch	
Station 7: Symmetrische Pentominos	
Station 8: Blokus	
Station 9: Computer: Figuren aus Pentominos	

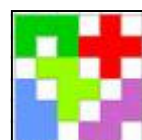
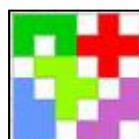
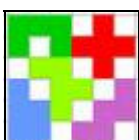
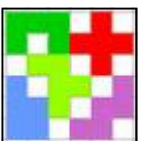
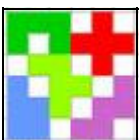
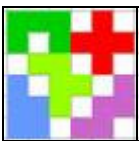
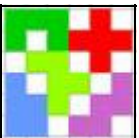
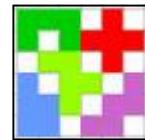
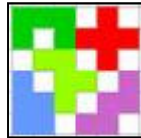


# Station 1

## Pentominos anmalen

\* Nimm das Arbeitsblatt 1:

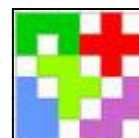
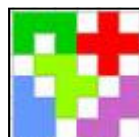
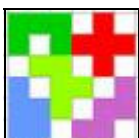
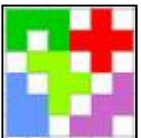
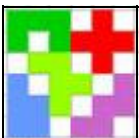
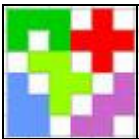
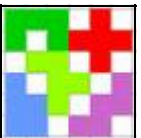
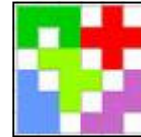
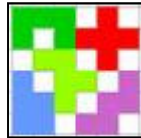
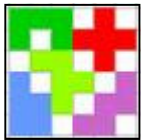
\* Bemale die gleichen Pentominos in der gleichen Farbe.



# Station 2

## Pentominofiguren nachlegen

- \* Nimm dir alle 12 verschiedenen Pentominos!
- \* Wähle 5 Figuren aus dem Arbeitsblatt 2 aus und kennzeichne sie!
- \* Lies Anweisung des Zebras!

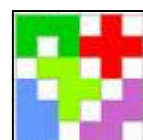
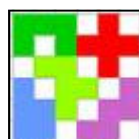
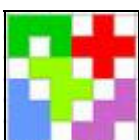
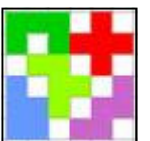
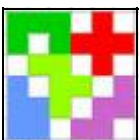
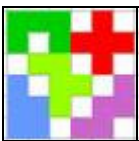
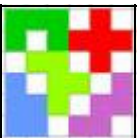
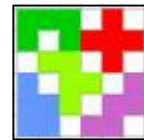
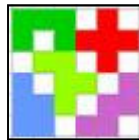


# Station 3

## Figuren ausfüllen

- \* Nimm dir alle 12 verschiedenen Pentominos und das Arbeitsblatt 4!
- \* Wähle von den Nummern 1 und 2 mindestens 2 Figuren die du mit Pentominos ausfüllst. Kennzeichne die Figuren ein.
- \* Findet ihr vielleicht mehrere Möglichkeiten?
- \* „Spezialisten“ können auch Arbeitsblatt 3 versuchen!

**BEI DIESER STATION KÖNNT IHR AUCH ZU ZWEIT ARBEITEN!**

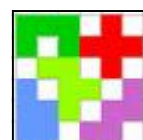
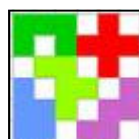
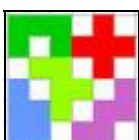
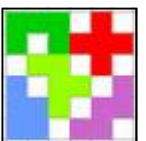
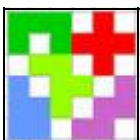
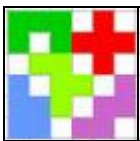
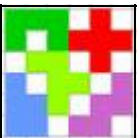
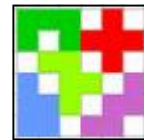
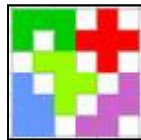


# Station 4

## Pentominos vergrößern

- \* Nimm dir das Arbeitsblatt 5 und ein kariertes Blatt!
- \* Zeichne ein Pentomino aus Punkt 1 ab, dabei soll jede Seitenlänge doppelt so lang werden.
- \* Lege dieses Pentomino mit vier anderen Pentominos aus ( Punkt 2)

**BEI DIESER STATION KÖNNT IHR AUCH ZU ZWEIT ARBEITEN!**

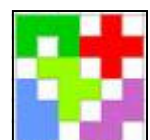
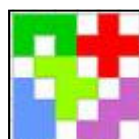
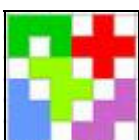
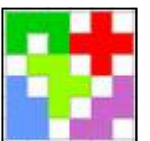
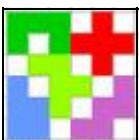
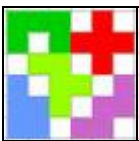
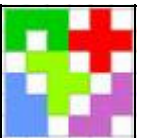
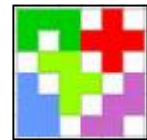
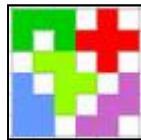


# Station 5

## Figuren und Muster erfinden

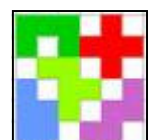
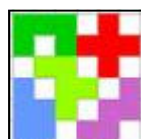
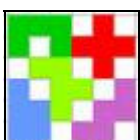
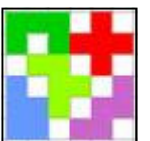
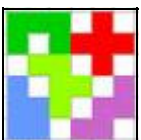
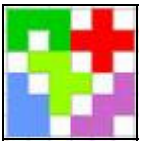
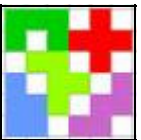
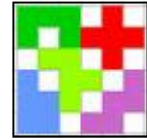
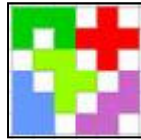
\* Baue Figuren oder Muster aus den Steinen.

(Du kannst zwischen Pentominos und den hölzernen Steinen wählen.)



# Station 6

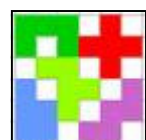
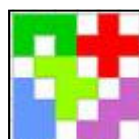
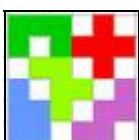
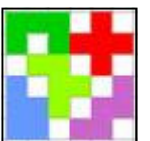
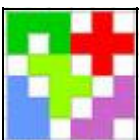
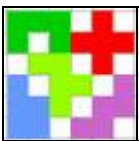
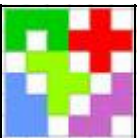
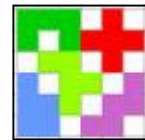
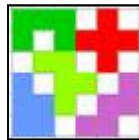
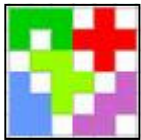
Deutsch



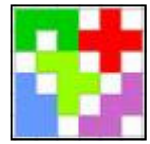
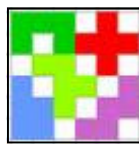
# Station 7

## Symmetrische Pentominos

- \* Nimm dir ein Arbeitsblatt mit allen Pentominos und eine Tabelle.
- \* Überprüfe die Figuren auf Symmetrieeigenschaften!  
Welche Pentominos haben 1, 2 mehrere oder kein Symmetrieachsen?
- \* Zeichne die Symmetrieachsen auf dem Arbeitsblatt ein und schreibe die „Namen“ in die Tabelle.



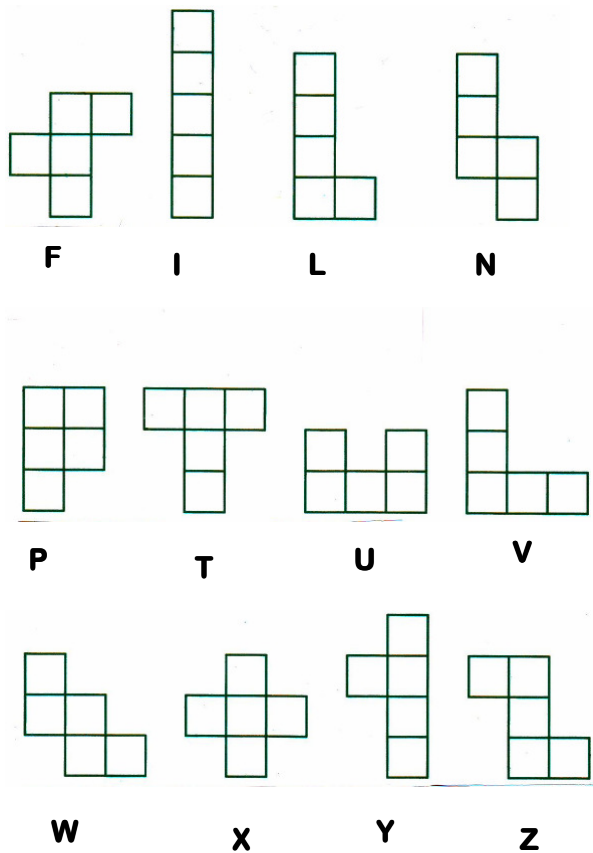




# Station 7: Symmetrische Pentominos

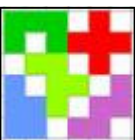
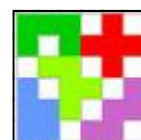
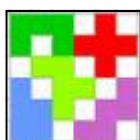
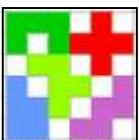
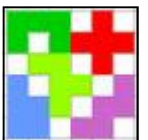
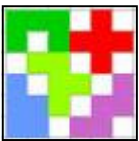
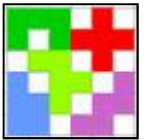
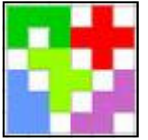
Es gibt 12 verschiedene Pentominos:

Finde heraus, welche von ihnen Symmetrieachsen haben und wie viele.



Anzahl der Symmetrieachsen	Pentomino
keine	
1	
2	
4	

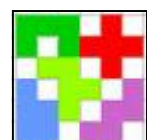
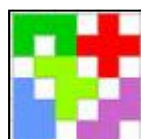
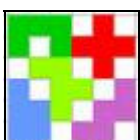
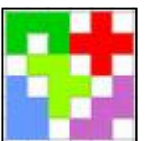
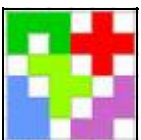
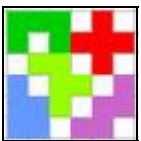
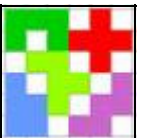
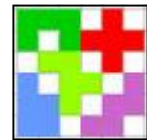
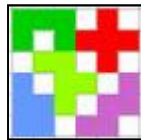
Maria Koth: Pentominos



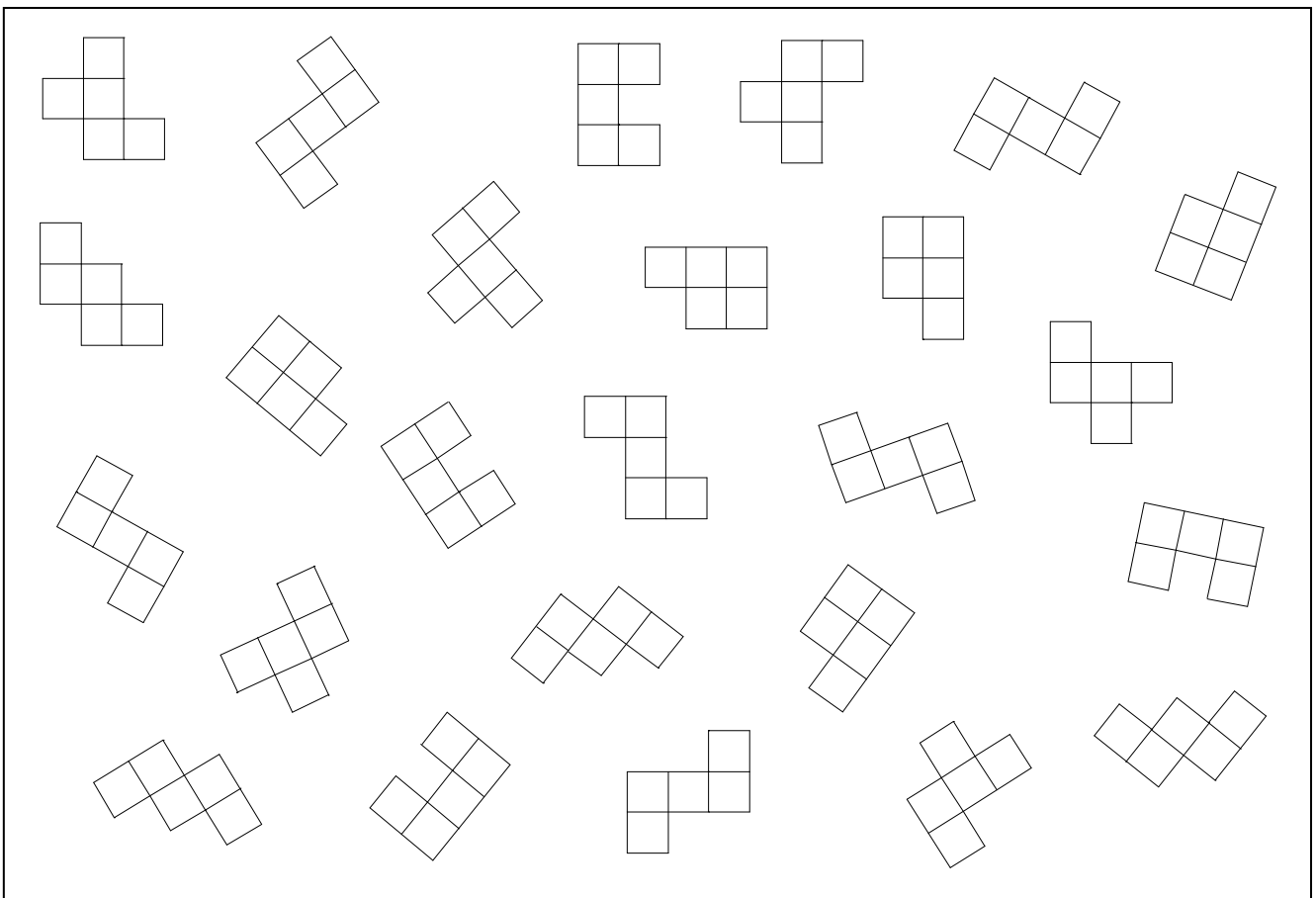
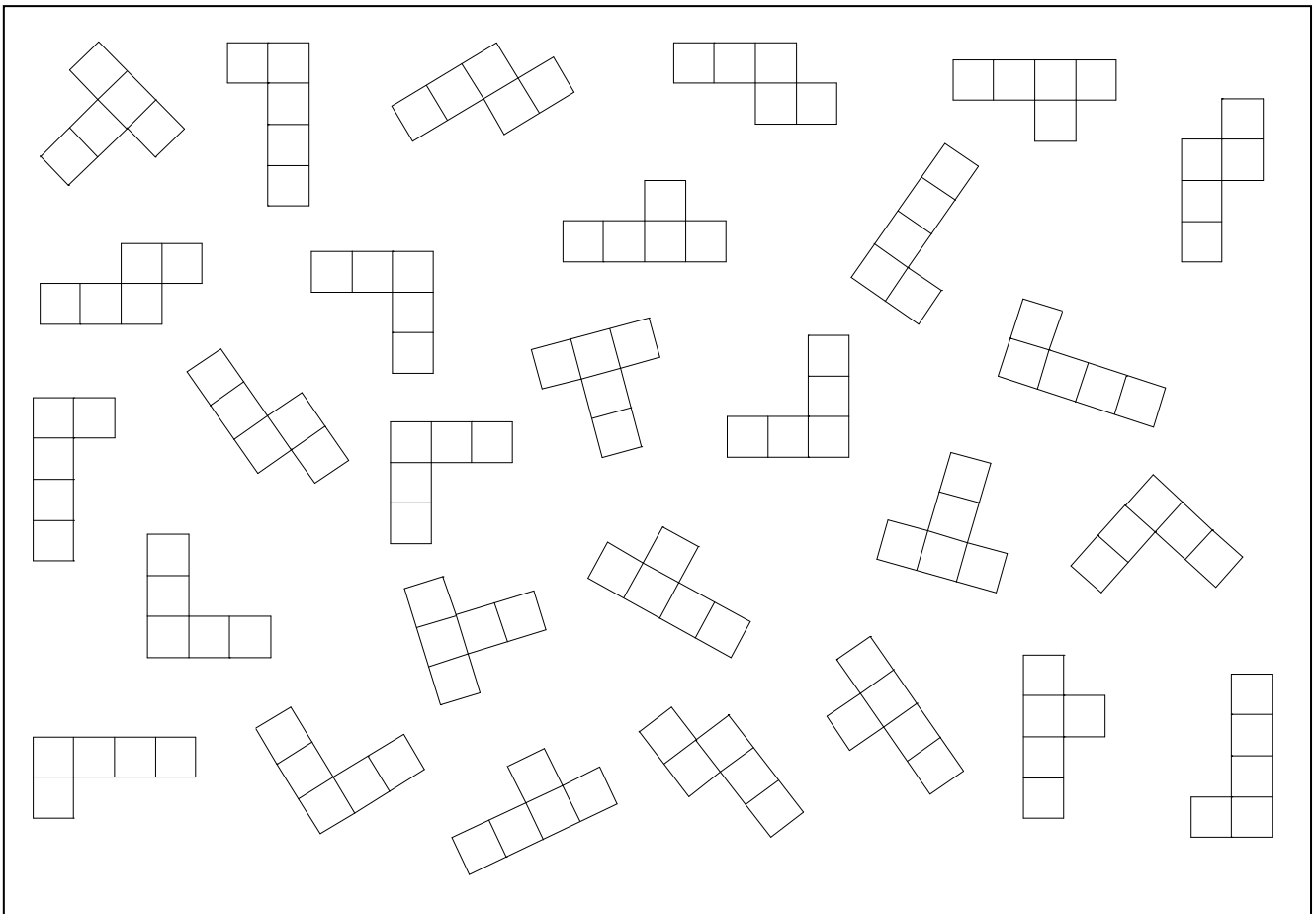
# Station 8

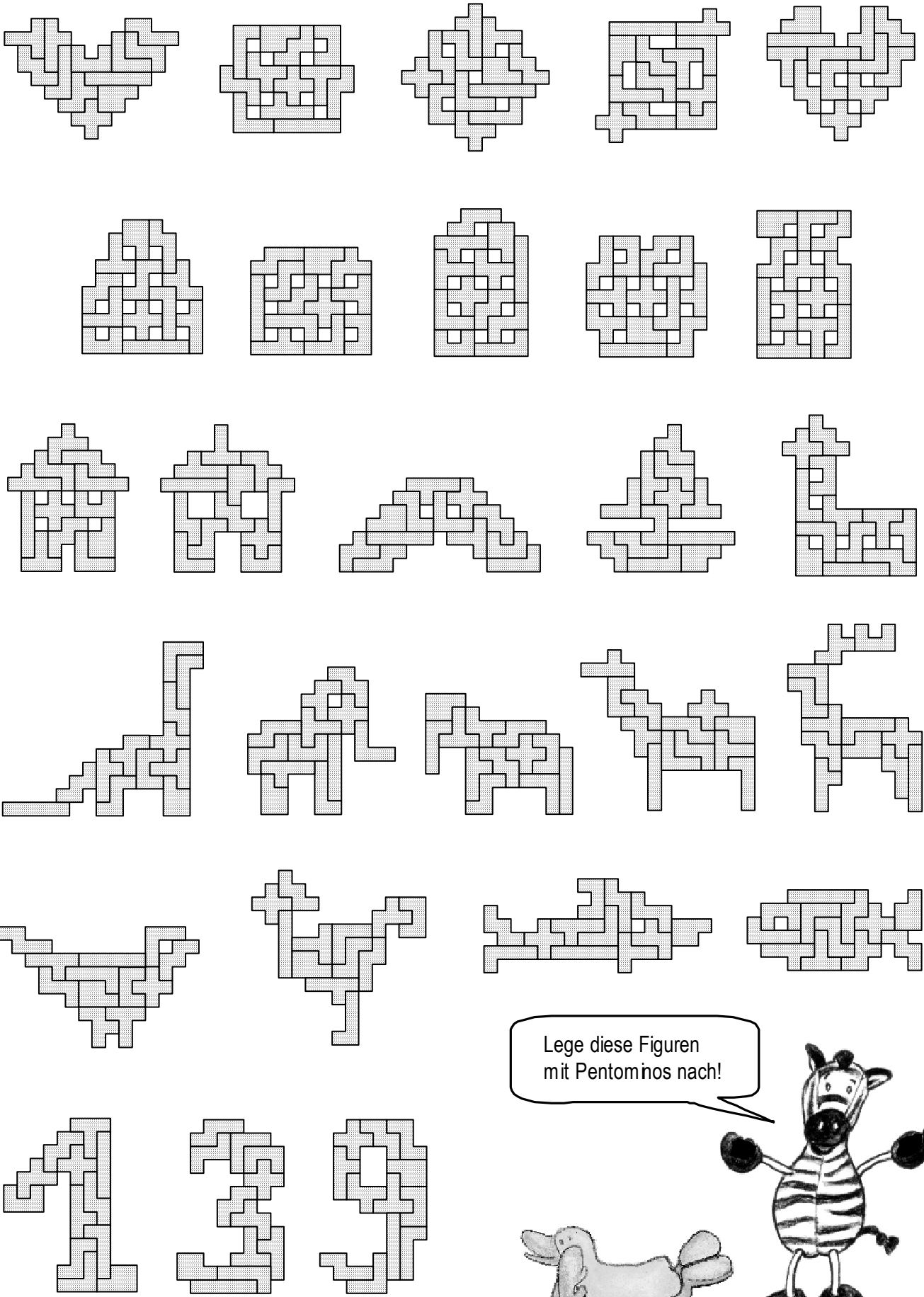
## Blokus

\* Suche dir 2 Mitspieler für dieses interessante Spiel!  
VIEL SPASS!



Male gleiche Steine in der gleichen Farbe an.



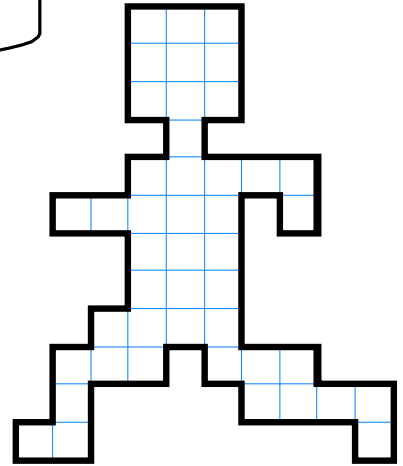
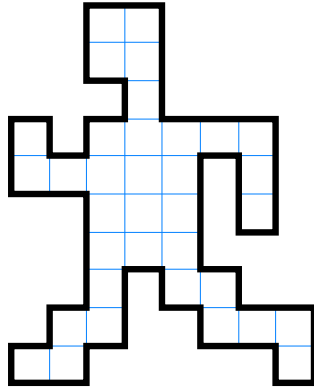
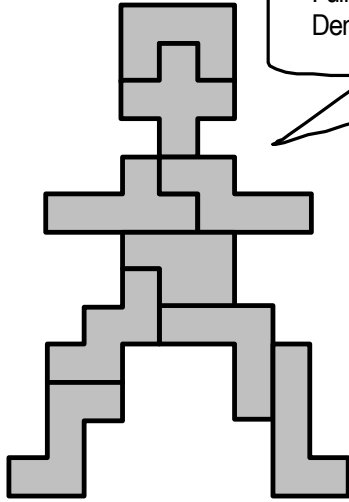


Lege diese Figuren mit Pentominos nach!

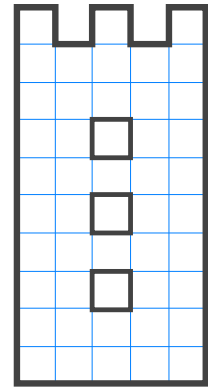
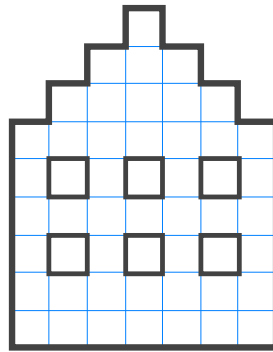
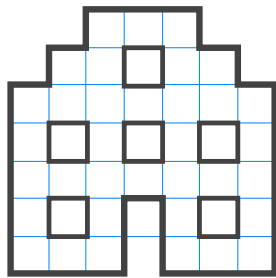
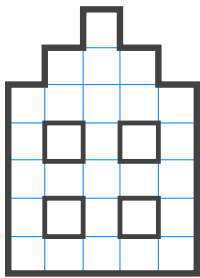


1

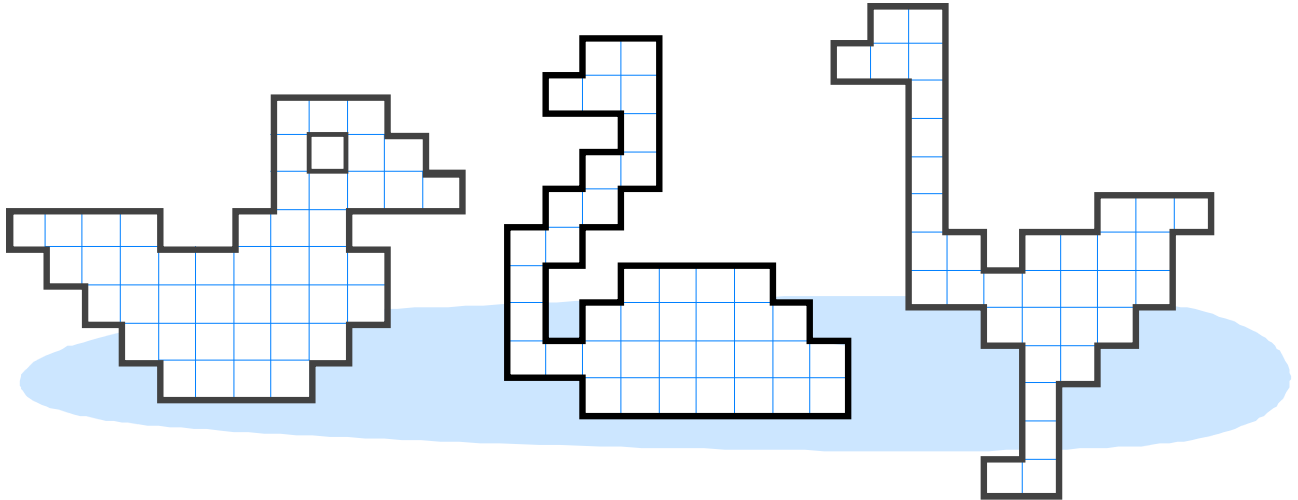
Fülle auch die anderen Figuren mit Pentominos aus.  
Denk daran, dass alle Steine einer Figur verschieden sein müssen.



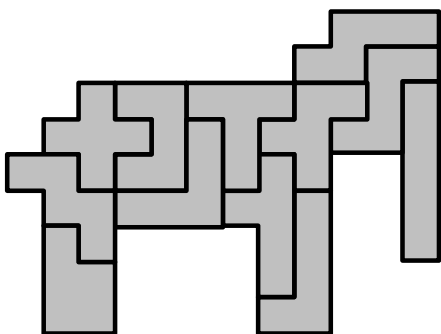
2



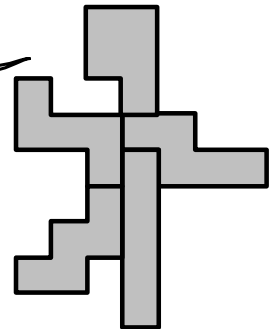
3



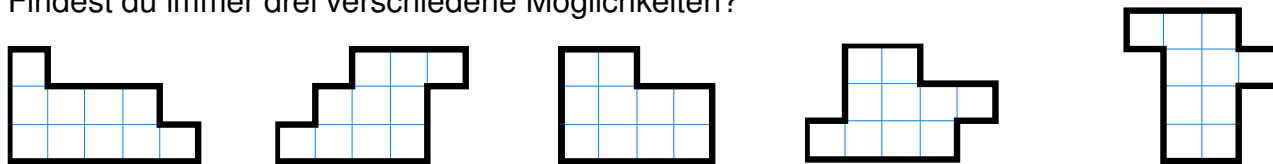
4



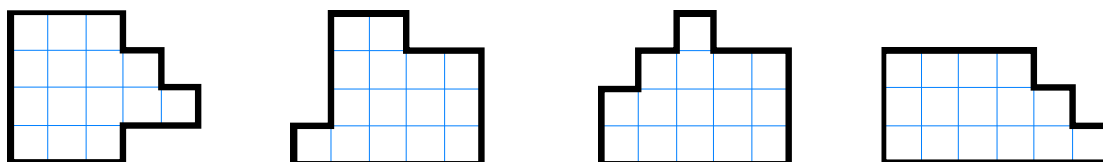
Erfindet weitere Pentominofiguren.  
Zeichnet sie auf Karopapier auf.



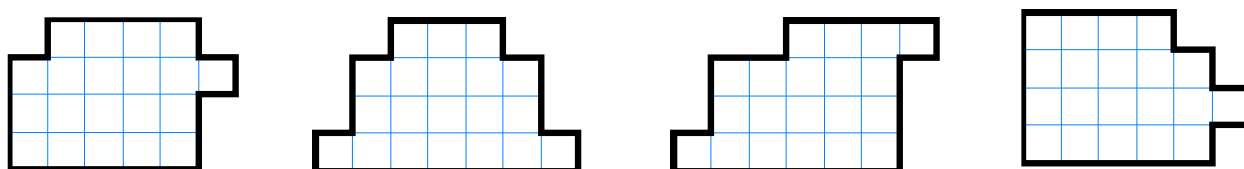
**1** Jede dieser Figuren kannst du mit zwei verschiedenen Pentominos ausfüllen. Findest du immer drei verschiedene Möglichkeiten?



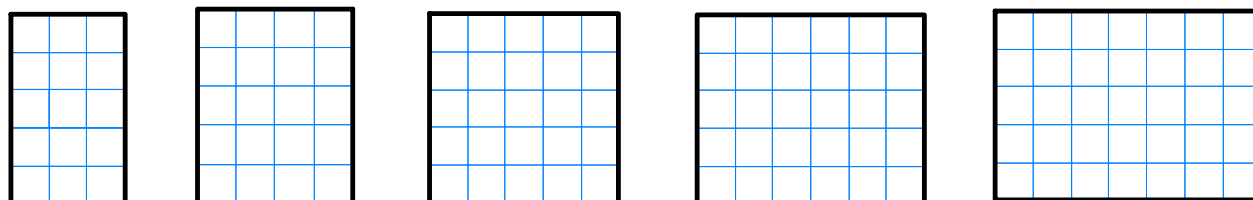
**2** Jede dieser Figuren kannst du mit drei verschiedenen Pentominos legen. Findest du mehr als eine Lösung?



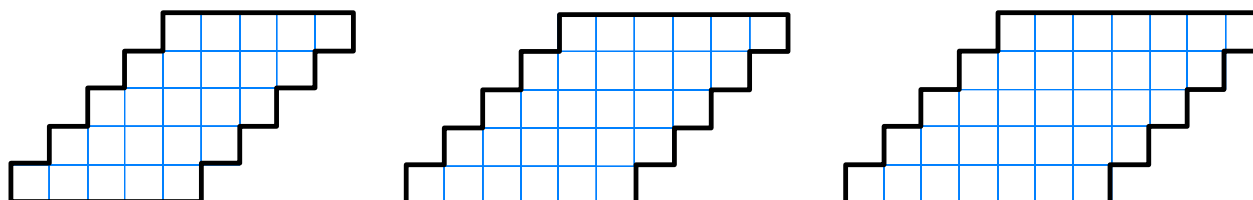
**3** Lege diese Figuren mit vier verschiedenen Pentominos nach. Findest du mehr als eine Lösung?



**4** Lege Rechtecke aus 3, 4, 5, 6, 7 verschiedenen Pentominos. Suche auch hier verschiedene Lösungen.



**5** Kannst du diese Zackenfiguren mit Pentominos ausfüllen?



**6**

