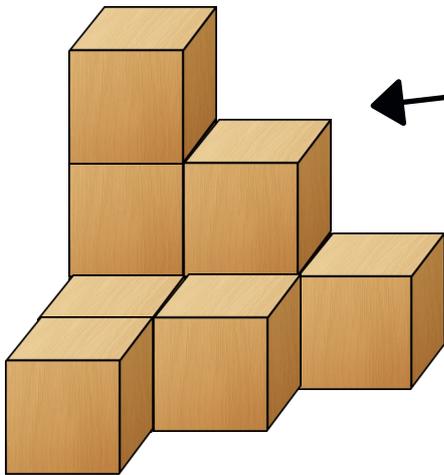


Würfelgebäude



das
Würfelgebäude

3 Würfel
übereinander

3	2	1
1	1	
1		

hintere Reihe

mittlere Reihe

vordere Reihe

der Grundriss

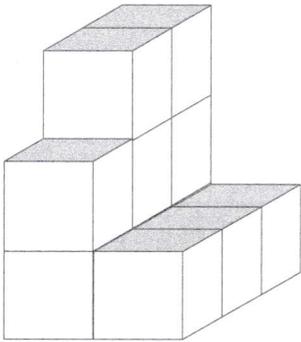
Fläche, auf der das
Gebäude steht

Würfelanzahl:

Dieses Würfelgebäude besteht aus 9 Würfeln.

Würfelbauten – Baupläne

Kreuze an, welche Baupläne zu diesen Würfelbauten passen.



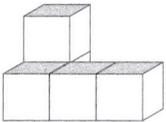
1	1	1
3	3	2



2	1
3	1
3	1



1	2
1	3
1	3



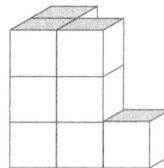
2		
1	1	1



2	1
1	
1	



1	2
1	
1	



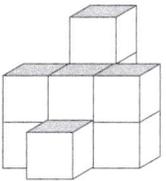
3		
3	3	1



3	3
3	
1	



3	3
3	
1	



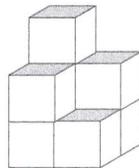
3		
2	2	2
1		



2		
3	2	1
2		



2		
1	2	3
2		



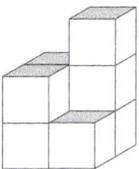
3	1
2	1



2	3
1	2



2	1
3	2



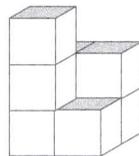
3	1
2	2



3	2
1	2



2	3
2	1



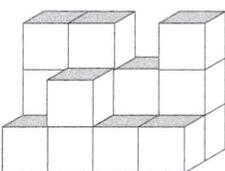
2	2
3	1



2	3
2	1



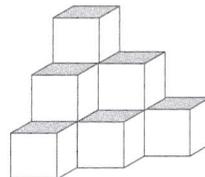
2	1
2	3



3	1	1	3
2	1	1	2
3	2	2	3
3	1	1	3



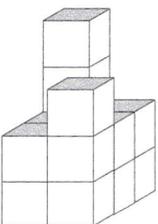
1	1	2	1
3	2	3	3



3	2	1	1
2	1	1	2
1	1	2	3



1		
2	2	
1	2	2



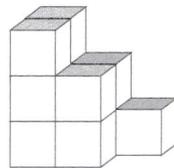
3	2
2	2
2	4



2	3
2	2
4	2



4	2	2
2	2	3



3	1	1
3	2	



3	3
2	2
1	



1	
2	2
3	3



Würfelbauten – Ansichten und Pläne

A	1	1	1	1
	1	2	2	2
	1	2	3	3
	2	2	3	4

B	2	2	3	4
	1	2	3	3
	1	2	2	2
	1	1	1	1

C	4	3	2	1
	3	3	2	1
	2	2	2	1
	2	1	1	1

D	2	1	1	1
	2	2	2	1
	3	3	2	1
	4	3	2	1

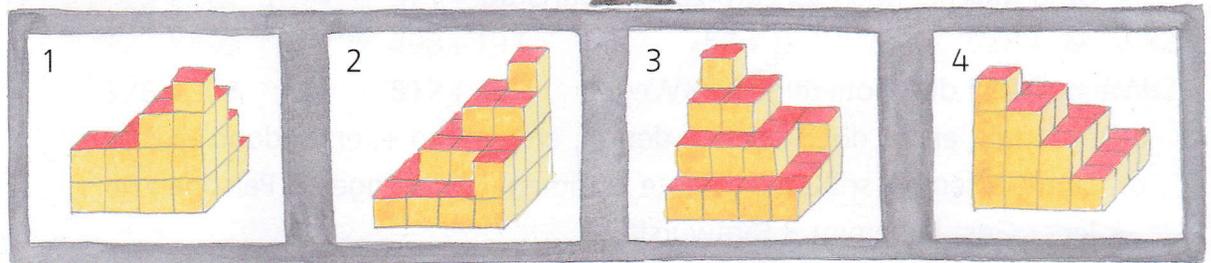
Anne

Boris

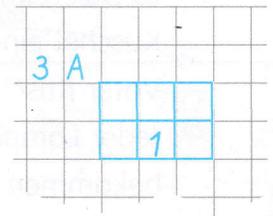
Clara

Doreen

1. Welche Baupläne passen?
2. Wer hat welches Foto gemacht?



3. a) Zeichne zu jedem Bauwerk einen Bauplan.
 b) Wie viele Würfel fehlen zum nächstgrößeren Quader?



A

B

C

G

D

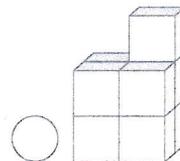
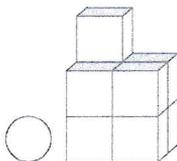
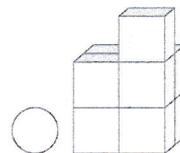
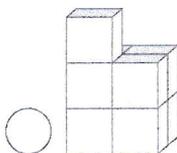
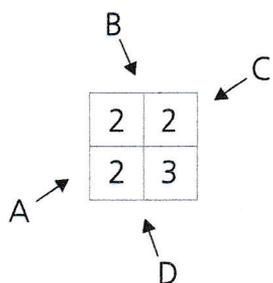
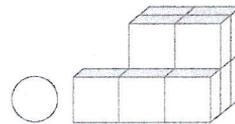
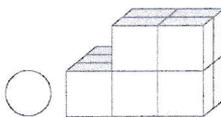
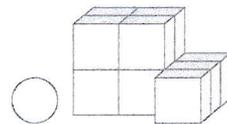
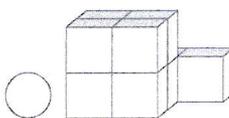
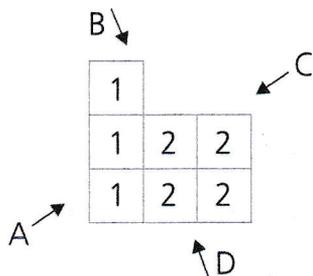
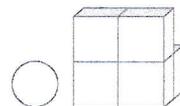
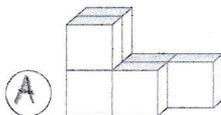
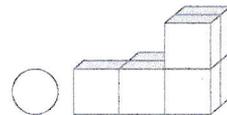
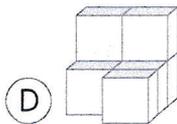
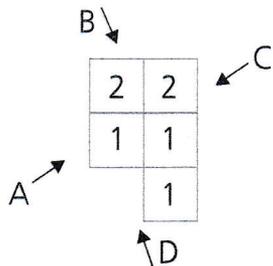
E

F



Würfelbauten – Ansichten

1. Trage ein, von wo das Bauwerk so zu sehen ist. Baue dann und kontrolliere.



2. Stelle zwei Spielwürfel übereinander. Addiere die Augenzahl aller sichtbaren Seiten.

● Welche Summe erhältst du? Welche anderen Summen sind auch möglich? Welche Summen gibt es bei 3, 4, 5, 10 oder 100 übereinandergestellten Würfeln?

2 Würfel: _____

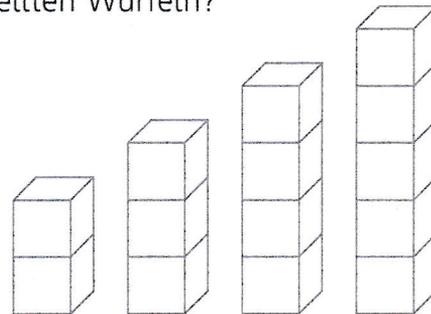
3 Würfel: _____

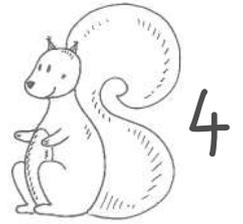
4 Würfel: _____

5 Würfel: _____

10 Würfel: _____

Was entdeckst du? _____





Rechne im Kopf.

$657 + 2 = \underline{\hspace{2cm}}$

$331 - 30 = \underline{\hspace{2cm}}$

$452 + 9 = \underline{\hspace{2cm}}$

$888 + 60 = \underline{\hspace{2cm}}$

$334 + 90 = \underline{\hspace{2cm}}$

$331 + 30 = \underline{\hspace{2cm}}$

$127 + 30 = \underline{\hspace{2cm}}$

$554 + 6 = \underline{\hspace{2cm}}$

$244 - 40 = \underline{\hspace{2cm}}$

$121 + 20 = \underline{\hspace{2cm}}$

$117 + 50 = \underline{\hspace{2cm}}$

$997 - 40 = \underline{\hspace{2cm}}$

$446 + 80 = \underline{\hspace{2cm}}$

$763 - 5 = \underline{\hspace{2cm}}$

$791 + 90 = \underline{\hspace{2cm}}$

$634 + 9 = \underline{\hspace{2cm}}$

$892 + 10 = \underline{\hspace{2cm}}$

$224 - 7 = \underline{\hspace{2cm}}$

$823 - 20 = \underline{\hspace{2cm}}$

$748 - 2 = \underline{\hspace{2cm}}$

$916 + 5 = \underline{\hspace{2cm}}$

$353 - 60 = \underline{\hspace{2cm}}$

$187 + 80 = \underline{\hspace{2cm}}$

$734 - 20 = \underline{\hspace{2cm}}$

$329 + 90 = \underline{\hspace{2cm}}$

$283 + 7 = \underline{\hspace{2cm}}$

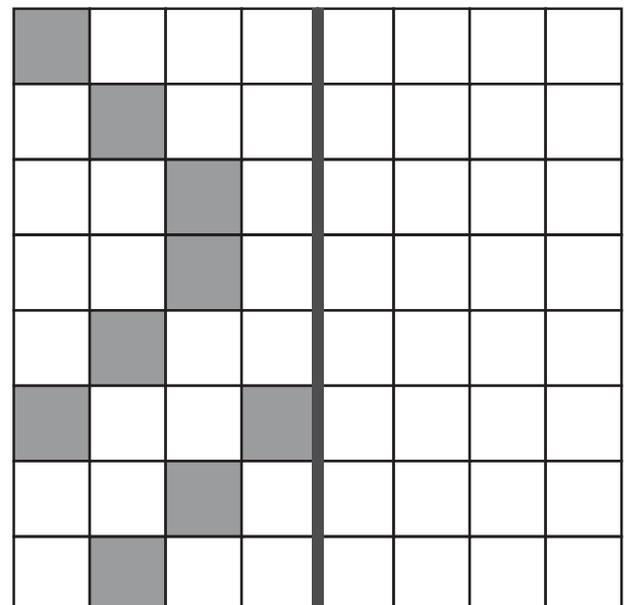
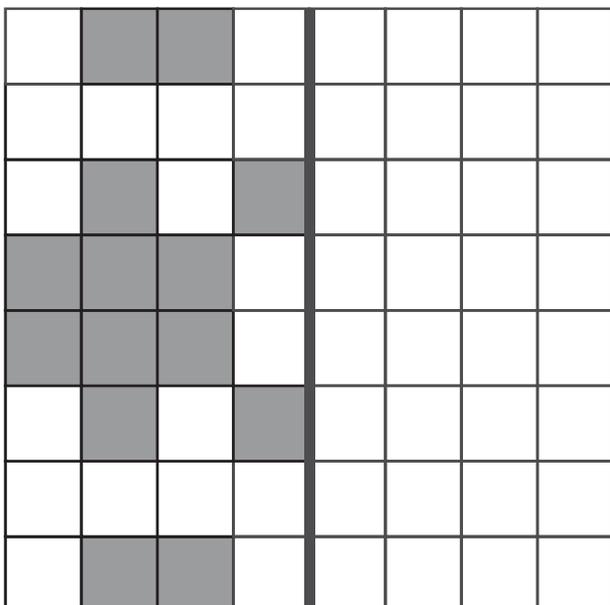
$693 + 60 = \underline{\hspace{2cm}}$

$646 + 20 = \underline{\hspace{2cm}}$

$224 - 30 = \underline{\hspace{2cm}}$

$627 + 30 = \underline{\hspace{2cm}}$

Ergänze symmetrisch.





Rechne im Kopf.

$315 + 20 = \underline{\hspace{2cm}}$

$214 + 20 = \underline{\hspace{2cm}}$

$357 + 20 = \underline{\hspace{2cm}}$

$753 + 80 = \underline{\hspace{2cm}}$

$719 + 30 = \underline{\hspace{2cm}}$

$652 + 6 = \underline{\hspace{2cm}}$

$985 + 3 = \underline{\hspace{2cm}}$

$112 - 4 = \underline{\hspace{2cm}}$

$374 - 80 = \underline{\hspace{2cm}}$

$147 - 6 = \underline{\hspace{2cm}}$

$113 - 30 = \underline{\hspace{2cm}}$

$177 + 80 = \underline{\hspace{2cm}}$

$984 - 6 = \underline{\hspace{2cm}}$

$898 - 60 = \underline{\hspace{2cm}}$

$661 - 6 = \underline{\hspace{2cm}}$

$683 - 9 = \underline{\hspace{2cm}}$

$993 - 60 = \underline{\hspace{2cm}}$

$276 + 20 = \underline{\hspace{2cm}}$

$943 + 20 = \underline{\hspace{2cm}}$

$198 + 60 = \underline{\hspace{2cm}}$

$497 + 2 = \underline{\hspace{2cm}}$

$291 + 9 = \underline{\hspace{2cm}}$

$548 - 7 = \underline{\hspace{2cm}}$

$984 + 10 = \underline{\hspace{2cm}}$

$562 - 8 = \underline{\hspace{2cm}}$

$472 + 60 = \underline{\hspace{2cm}}$

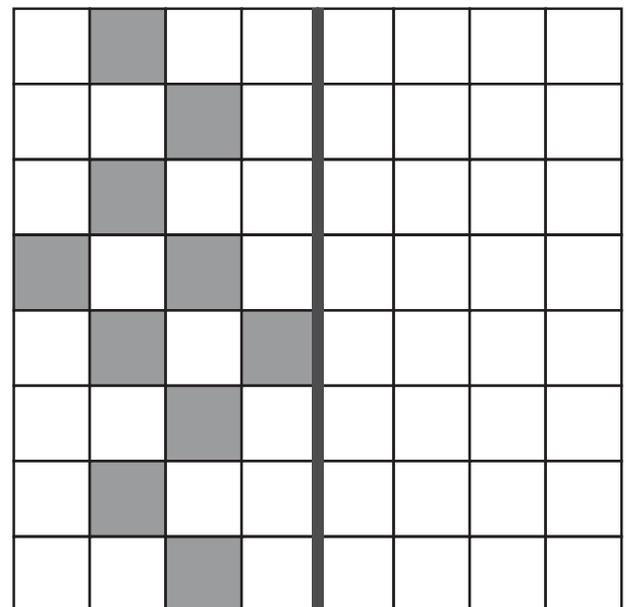
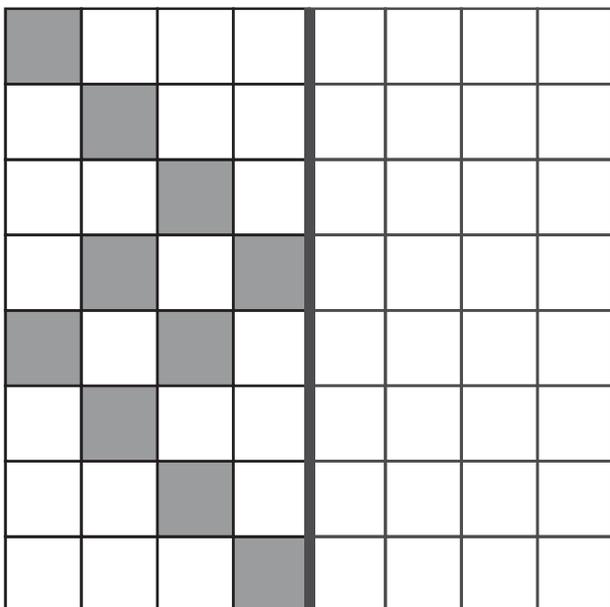
$247 + 10 = \underline{\hspace{2cm}}$

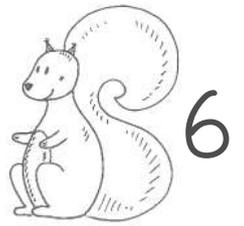
$448 - 70 = \underline{\hspace{2cm}}$

$789 - 90 = \underline{\hspace{2cm}}$

$933 - 9 = \underline{\hspace{2cm}}$

Ergänze symmetrisch.





Rechne im Kopf.

$769 + 20 = \underline{\hspace{2cm}}$

$454 + 5 = \underline{\hspace{2cm}}$

$133 + 9 = \underline{\hspace{2cm}}$

$226 + 7 = \underline{\hspace{2cm}}$

$911 - 60 = \underline{\hspace{2cm}}$

$972 - 60 = \underline{\hspace{2cm}}$

$945 + 50 = \underline{\hspace{2cm}}$

$841 - 1 = \underline{\hspace{2cm}}$

$734 + 6 = \underline{\hspace{2cm}}$

$186 + 2 = \underline{\hspace{2cm}}$

$763 - 80 = \underline{\hspace{2cm}}$

$771 - 6 = \underline{\hspace{2cm}}$

$833 + 60 = \underline{\hspace{2cm}}$

$595 - 3 = \underline{\hspace{2cm}}$

$199 + 2 = \underline{\hspace{2cm}}$

$972 - 5 = \underline{\hspace{2cm}}$

$815 + 20 = \underline{\hspace{2cm}}$

$868 + 80 = \underline{\hspace{2cm}}$

$547 - 8 = \underline{\hspace{2cm}}$

$975 - 8 = \underline{\hspace{2cm}}$

$386 - 60 = \underline{\hspace{2cm}}$

$752 + 2 = \underline{\hspace{2cm}}$

$795 + 50 = \underline{\hspace{2cm}}$

$423 + 6 = \underline{\hspace{2cm}}$

$627 + 50 = \underline{\hspace{2cm}}$

$898 + 10 = \underline{\hspace{2cm}}$

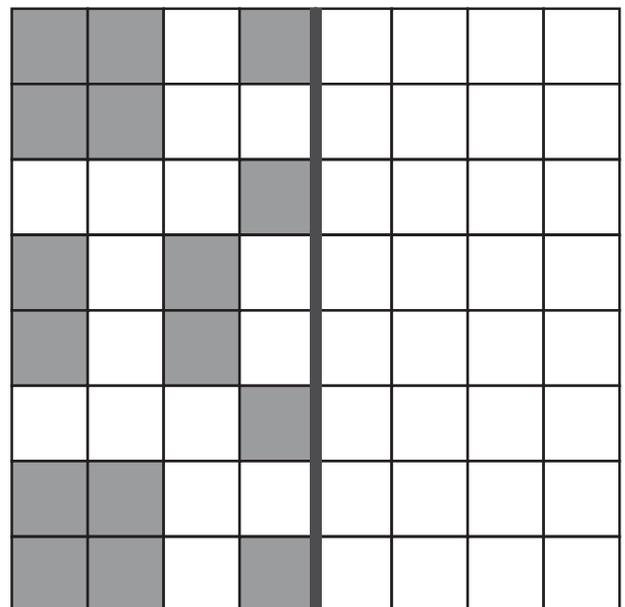
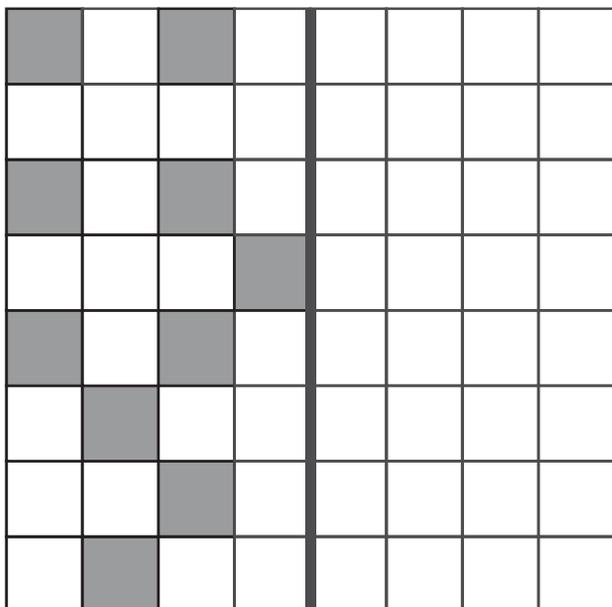
$292 + 6 = \underline{\hspace{2cm}}$

$679 + 30 = \underline{\hspace{2cm}}$

$693 + 30 = \underline{\hspace{2cm}}$

$168 - 10 = \underline{\hspace{2cm}}$

Ergänze symmetrisch.



Name: _____

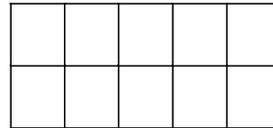
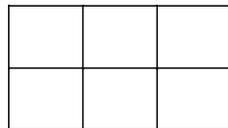
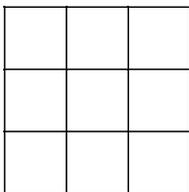
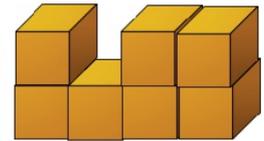
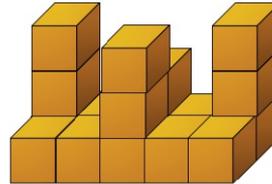
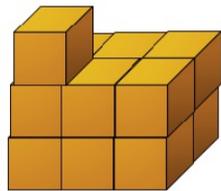
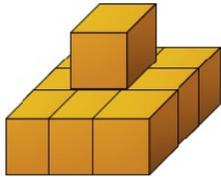
Klasse: _____

Datum: _____

Teste dich!

1

Schreibe den Bauplan unter den Würfelbau!



2

Rechne im Kopf!

$779 + 20 = \underline{\hspace{2cm}}$

$321 - 30 = \underline{\hspace{2cm}}$

$225 + 60 = \underline{\hspace{2cm}}$

$326 + 7 = \underline{\hspace{2cm}}$

$459 + 8 = \underline{\hspace{2cm}}$

$126 - 20 = \underline{\hspace{2cm}}$

$924 + 50 = \underline{\hspace{2cm}}$

$124 + 80 = \underline{\hspace{2cm}}$

$484 + 10 = \underline{\hspace{2cm}}$

$547 - 9 = \underline{\hspace{2cm}}$

$521 - 8 = \underline{\hspace{2cm}}$

$287 - 7 = \underline{\hspace{2cm}}$

$626 + 40 = \underline{\hspace{2cm}}$

$352 + 50 = \underline{\hspace{2cm}}$

$192 + 50 = \underline{\hspace{2cm}}$

$678 - 8 = \underline{\hspace{2cm}}$

$728 - 40 = \underline{\hspace{2cm}}$

$623 - 5 = \underline{\hspace{2cm}}$

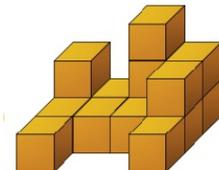
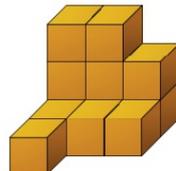
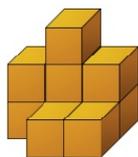
$773 + 30 = \underline{\hspace{2cm}}$

$423 + 70 = \underline{\hspace{2cm}}$

$378 + 40 = \underline{\hspace{2cm}}$

3

Finde Fehler im Bauplan! Kreise die Fehler ein! Schreibe den richtigen Plan daneben!



2	2	2			
	1	1			

3	3	2			
1	1	2			
1	2	1			

2	1	3	2				
1	1	2	2				
1			1				