

Lösungen zu den Mathematikaufgaben vom 11.05.2020-15.05.2020

AH S. 61/2, 3

2 Verbinde jeden Würfelbau mit seinem Bauplan.

3 Schreibe den Bauplan zu jedem Würfelbau.

Buch S. 84/1

Es passen die Baupläne A und D.

Buch S. 84/2

Anne hat das Foto Nr. 4 geschossen. Boris hat das Foto Nr. 1 gemacht. Das Foto Nr. 2 stammt von Clara und das Foto Nr. 3 wurde von Doreen geschossen.

Buch S. 84/3

a) A:

3	4	3
3	1	3

 B:

3	2	
	2	1
		1

 C:

2	1	1
1		1
2	1	1

 D:

	4	
4	4	4
	4	

 E:

3	3	3
3	3	2
3	2	1

 F:

1	2	3
1	2	2
1	1	1

G:

4	5	6
3	4	5
2	3	4

b)

A: Es fehlen noch 7 Würfel.

B: Es fehlen noch 18 Würfel.

C: Es fehlen noch 8 Würfel.

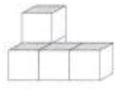
D: Es fehlen noch 16 Würfel.

E: Es fehlen noch 4 Würfel.

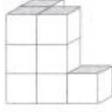
F: Es fehlen noch 13 Würfel.

G: Es fehlen noch 18 Würfel.

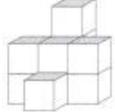
Arbeitsheft Mathematikus S. 84.1







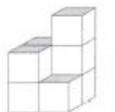











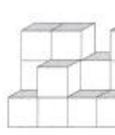




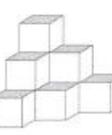


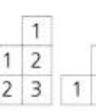


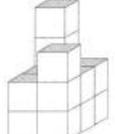












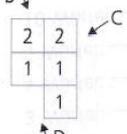
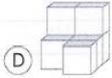
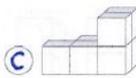


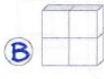


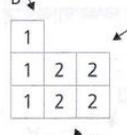
Arbeitsheft Mathematikus S. 84.2

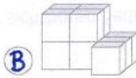
Würfelbauten – Ansichten

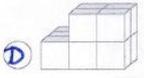
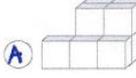
1. Trage ein, von wo das Bauwerk so zu sehen ist. Baue dann und kontrolliere.

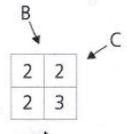
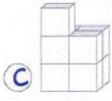
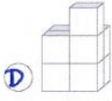




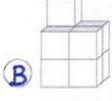
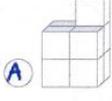







Arbeitsheft Mathematikus S. 84.2

Nr. 2:

Folgende Augensummen könnten gefunden werden:

2 Würfel: 29, 30, 31, 32, 33, 34

3 Würfel: 43, 44, 45, 46, 47, 48

4 Würfel: 57, 58, 59, 60, 61, 62

5 Würfel: 71, 72, 73, 74, 75, 76

10 Würfel: 141, 142, 143, 144, 145, 146

Was entdeckst du?

Beispielantworten: Die niedrigste Augensumme einer Reihe ist immer um 14 kleiner als die Augensumme der nächsthöheren Reihe. Die höchste Augensumme einer Reihe ist immer um 14 größer als die Augensumme der vorhergehenden Reihe.

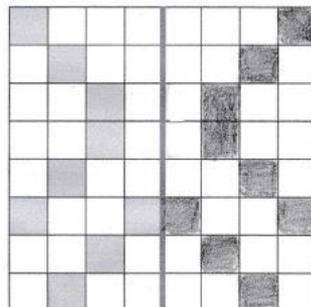
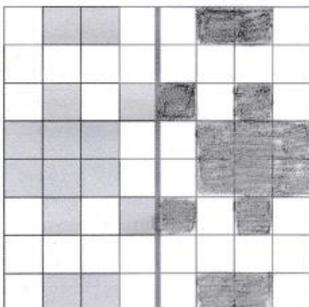
AB 4 Rechne im Kopf!

Rechne im Kopf.



$657 + 2 = 659$	$331 - 30 = 301$	$452 + 9 = 461$
$888 + 60 = 948$	$334 + 90 = 424$	$331 + 30 = 361$
$127 + 30 = 157$	$554 + 6 = 560$	$244 - 40 = 204$
$121 + 20 = 141$	$117 + 50 = 167$	$997 - 40 = 957$
$446 + 80 = 526$	$763 - 5 = 758$	$791 + 90 = 881$
$634 + 9 = 643$	$892 + 10 = 902$	$224 - 7 = 217$
$823 - 20 = 803$	$748 - 2 = 746$	$916 + 5 = 921$
$353 - 60 = 293$	$187 + 80 = 267$	$734 - 20 = 714$
$329 + 90 = 419$	$283 + 7 = 290$	$693 + 60 = 753$
$646 + 20 = 666$	$224 - 30 = 194$	$627 + 30 = 657$

Ergänze symmetrisch.



AB 5 Rechne im Kopf!

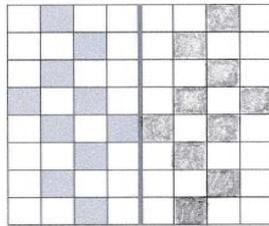
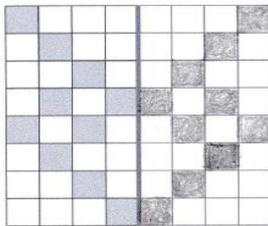
AB 5

Rechne im Kopf.



$315 + 20 = 335$	$214 + 20 = 234$	$357 + 20 = 377$
$753 + 80 = 833$	$719 + 30 = 749$	$652 + 6 = 658$
$985 + 3 = 988$	$112 - 4 = 108$	$374 - 80 = 294$
$147 - 6 = 141$	$113 - 30 = 83$	$177 + 80 = 257$
$984 - 6 = 978$	$898 - 60 = 838$	$661 - 6 = 655$
$683 - 9 = 674$	$993 - 60 = 933$	$276 + 20 = 296$
$943 + 20 = 963$	$198 + 60 = 258$	$497 + 2 = 499$
$291 + 9 = 300$	$548 - 7 = 541$	$984 + 10 = 994$
$562 - 8 = 554$	$472 + 60 = 532$	$247 + 10 = 257$
$448 - 70 = 378$	$789 - 90 = 699$	$933 - 9 = 924$

Ergänze symmetrisch.



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AB 6 Rechne im Kopf!

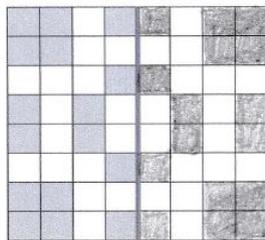
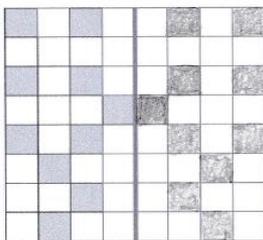
AB 6

Rechne im Kopf.



$769 + 20 = 789$	$454 + 5 = 459$	$133 + 9 = 142$
$226 + 7 = 233$	$911 - 60 = 851$	$972 - 60 = 912$
$945 + 50 = 995$	$841 - 1 = 840$	$734 + 6 = 740$
$186 + 2 = 188$	$763 - 80 = 683$	$771 - 6 = 765$
$833 + 60 = 893$	$595 - 3 = 592$	$199 + 2 = 201$
$972 - 5 = 967$	$815 + 20 = 835$	$868 + 80 = 948$
$547 - 8 = 539$	$975 - 8 = 967$	$386 - 60 = 326$
$752 + 2 = 754$	$795 + 50 = 845$	$423 + 6 = 429$
$627 + 50 = 677$	$898 + 10 = 908$	$292 + 6 = 298$
$679 + 30 = 709$	$693 + 30 = 723$	$168 - 10 = 158$

Ergänze symmetrisch.



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AB Teste dich!

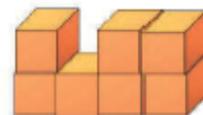
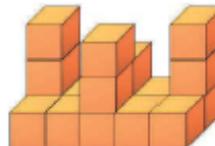
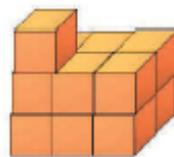
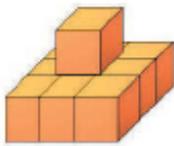
Name: _____

Klasse: _____

Datum: _____

Lösung: Teste dich!

1 Schreibe den Bauplan unter den Würfelbau!



1	1	1
1	2	1
1	1	1

2	2	2
3	2	2

3	1	2	1	3
1	1	3	1	1

2	1	2	2
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2 Rechne im Kopf!

$779 + 20 = 799$

$321 - 30 = 291$

$225 + 60 = 285$

$326 + 7 = 333$

$459 + 8 = 467$

$126 - 20 = 106$

$924 + 50 = 974$

$124 + 80 = 204$

$484 + 10 = 494$

$547 - 9 = 538$

$521 - 8 = 513$

$287 - 7 = 280$

$626 + 40 = 666$

$352 + 50 = 402$

$192 + 50 = 242$

$678 - 8 = 670$

$728 - 40 = 688$

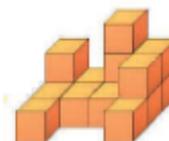
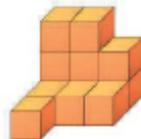
$623 - 5 = 618$

$773 + 30 = 803$

$423 + 70 = 493$

$378 + 40 = 418$

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



2	2	2
1	1	

2	3	2
	1	1

3	3	2
1	1	2
1	2	1

3	3	2
1	1	1
1		

2	1	3	2
1	1	2	2
1		1	1

2	1	3	2
1	1	1	2
1			1