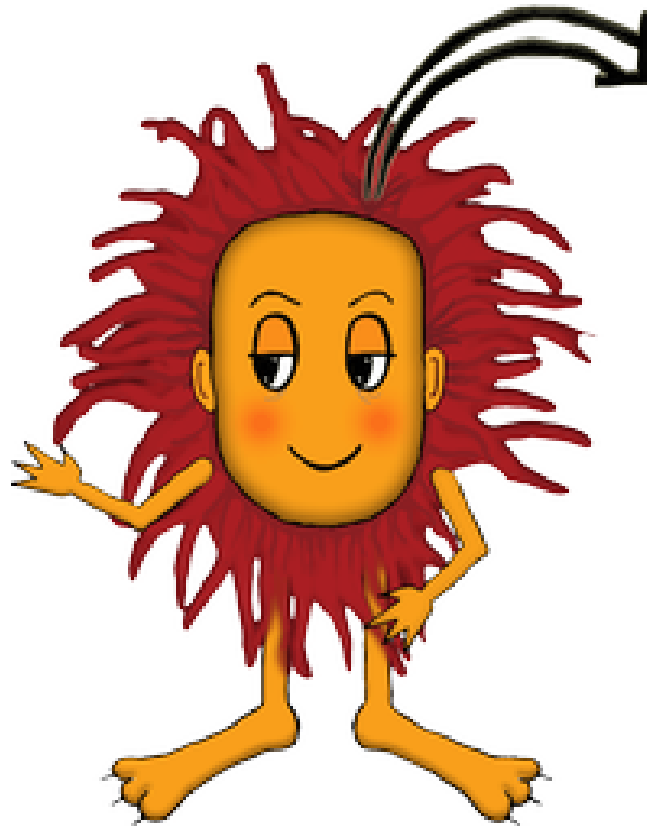


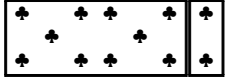


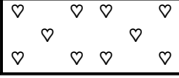



## Velika logična pošast






## Števíla do 20


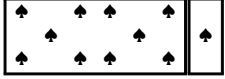
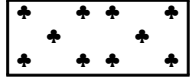
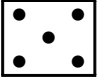

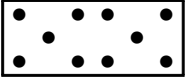
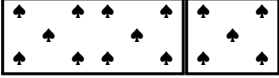
Števílo pik na sliki moramo zapisati v obliki  $a$  ali  $10 + a$ .  
Števílo  $a$  ali  $10 + a$  moramo predstaviti s sliko.








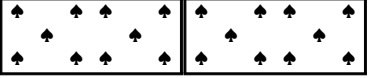
1.

	
10 + 1	
10 + 5	
	
6	
	
	
10 + 5	
	
	
10 + 3	
	

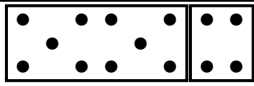
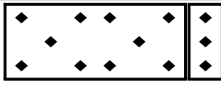

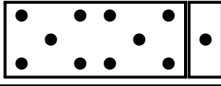
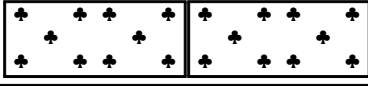

10 + 9	
	
10	
	
6	
10 + 3	
10 + 6	
10	
10 + 8	
10 + 1	
10	
	




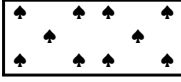
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
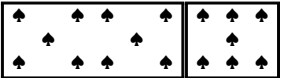
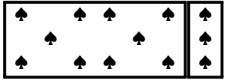

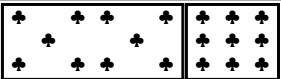
10 + 10	
	
	
	
	
10 + 3	
	
5	
	
10 + 10	
	
10 + 10	

	
5	
10 + 6	
	
10 + 2	
	
	
	
	
	
	
10 + 6	



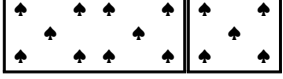
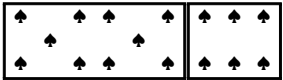

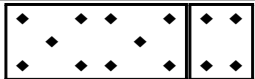
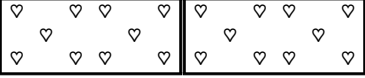
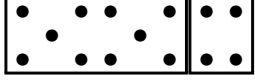
3.

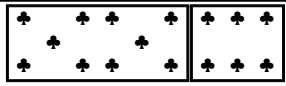
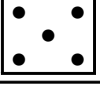
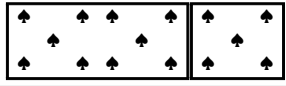
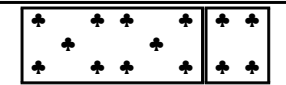
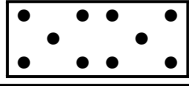
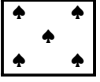
10 + 3	
	
7	
	
3	
	
10 + 5	
	
10 + 4	
	
	
7	

3	
10 + 7	
7	
4	
	
10 + 9	
	
	
5	
5	
10	
	

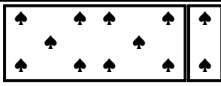
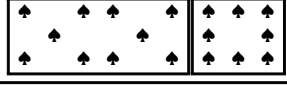

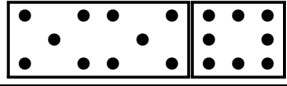
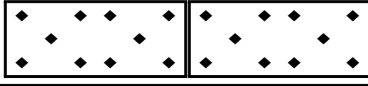
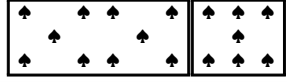
10	
	
	
	
6	
3	
	
10 + 7	
	
10 + 8	
10 + 7	
10 + 2	

4.


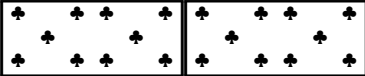
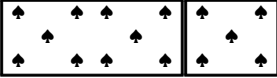

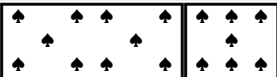
	
	
	
7	
10 + 1	
	
	
10 + 8	
	
10 + 4	
	
	



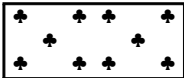

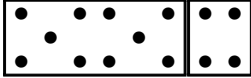

$10 + 4$	
	
3	
$10 + 3$	
	
	
	
$10 + 1$	
$10 + 2$	
	
7	
	

5.

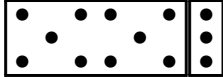
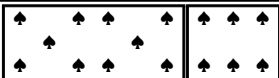



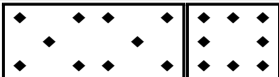
10	
	
	
4	
10	
	
$10 + 7$	
	
$10 + 4$	
	
6	
	

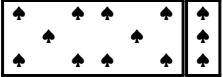

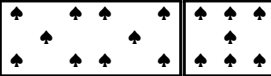
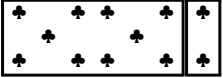
6.

$10 + 5$	
	
	
	
$10 + 5$	
$10 + 2$	
10	
9	
$10 + 6$	
	
$10 + 3$	
	

9	
$10 + 7$	
	
	
$10 + 8$	
	
	
	
$10 + 5$	
	
$10 + 10$	
4	


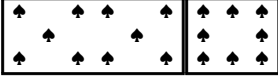
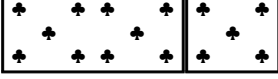



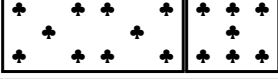
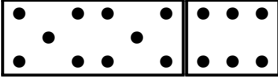
7.



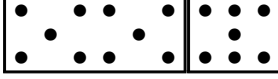
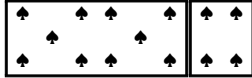

	
	
	
3	
7	
10	
	
10 + 8	
	
10 + 4	
6	
	




	
5	
3	
10 + 1	
	
10 + 3	
	
	
10 + 3	
10	
10 + 2	
4	



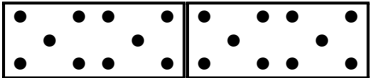
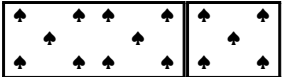



8.

	
	
	
	
	
10 + 10	
10 + 8	
10	
	
	
8	
	

	
	
	
3	
8	
10 + 3	
	
9	
10 + 2	
10 + 4	
8	
	

	
$10 + 8$	
	
10	
$10 + 6$	
$10 + 2$	
	
4	
$10 + 1$	
5	
$10 + 6$	
7	

9.

8	
$10 + 10$	
	
$10 + 2$	
	
5	
$10 + 2$	
	
$10 + 6$	
	
	
$10 + 9$	

10.

10 + 7	
10 + 9	
5	
5	

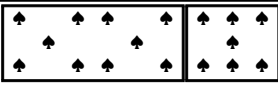


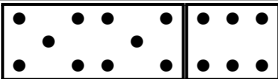

5	
10 + 3	
10 + 5	
10 + 5	
10 + 9	


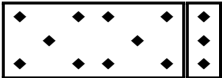

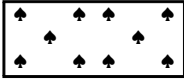

11.

7	
10 + 9	
10	
8	
10 + 2	

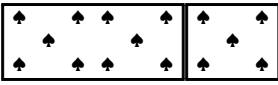
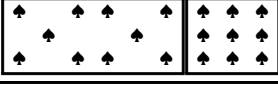


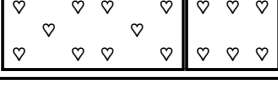
6	
6	
10 + 7	
5	
7	
10 + 6	




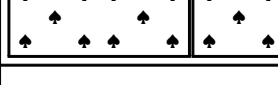

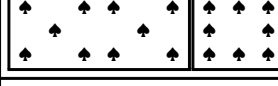

12.

9	
	
$10 + 7$	
	
4	
	
$10 + 10$	
3	
	
	
$10 + 7$	
$10 + 8$	




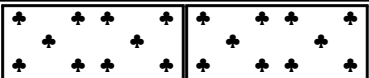

	
10	
	
$10 + 4$	
9	
10	
	
$10 + 8$	
3	
	
	
$10 + 4$	


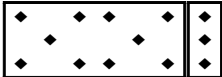


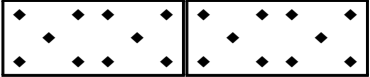
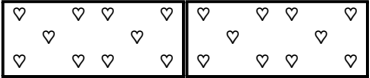
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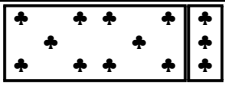


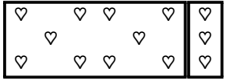
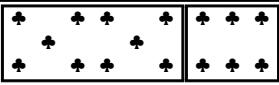
	
	
	
	
10 + 8	
5	
3	
8	
10 + 2	
	
5	
10 + 10	

	
10 + 6	
	
	
	
10	
10 + 8	
10 + 10	
	
	
10 + 8	
	

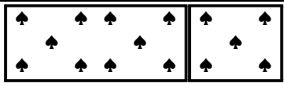
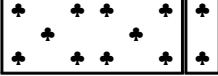
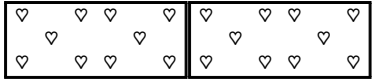
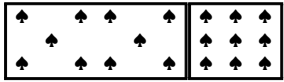
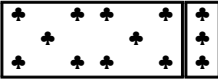
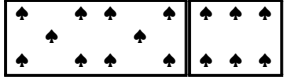
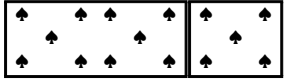

14.

	
7	
7	
	
10 + 4	
10 + 5	
	
7	
10 + 7	
	
	
10	

6	
10 + 8	
5	
	
	
	
8	
	
	
	
10 + 9	
10	


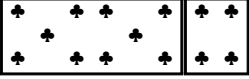

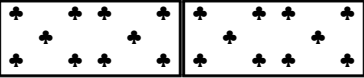

$10 + 8$	
	
$10 + 1$	
7	
	
$10 + 4$	
	
	
7	
9	
	
5	



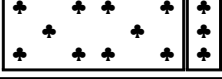






15.

$10 + 10$	
	
$10 + 3$	
	
	
	
5	
	
	
	
	
4	

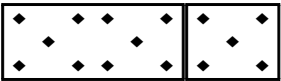



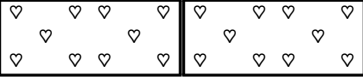


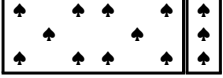


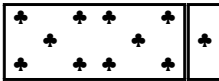
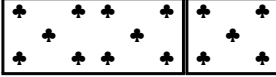
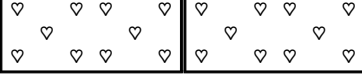


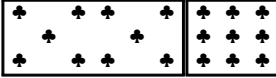


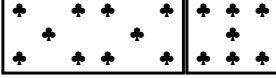
16.

7	
	
	
$10 + 1$	
	
$10 + 5$	
	
5	
$10 + 3$	
3	
10	
	






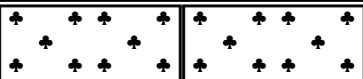
	
	
	
	
$10 + 7$	
	
	
$10 + 2$	
	
	
	
$10 + 7$	

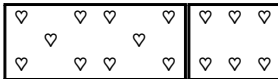

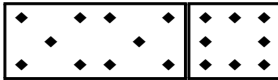

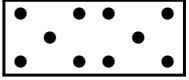

17.

	
6	
	
6	
	
9	
	
	
10 + 10	
	
	
	




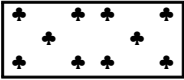
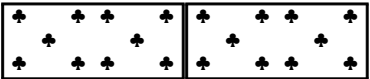
	
	
	
	
	
10	
3	
	
	
	
10 + 6	
	


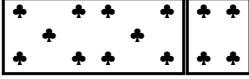


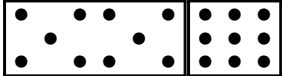
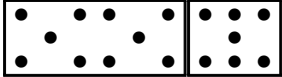
18.

10 + 2	
	
	
8	
	
10 + 3	
7	
	
3	
	
	
7	

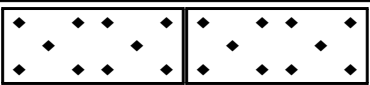
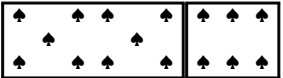
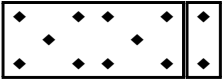
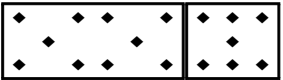
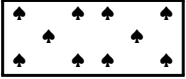

	
10 + 8	
10 + 10	
	
6	
	
	
	
10 + 2	
5	
4	
	




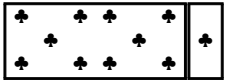
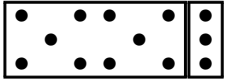
19.

	
$10 + 2$	
	
9	
	
10	
10	
	
$10 + 4$	
$10 + 7$	
	
6	

	
	
	
	
6	
$10 + 6$	
	
5	
	
$10 + 4$	
3	
9	

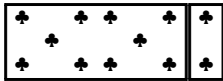






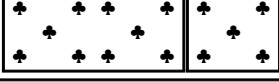


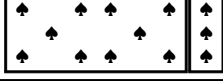

20.

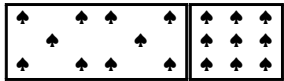





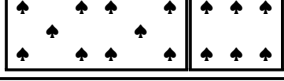
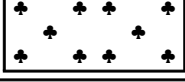

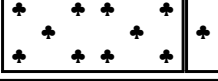
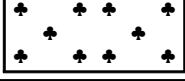

	
$10 + 2$	
	
$10 + 10$	
	
	
$10 + 4$	
$10 + 8$	
	
	
$10 + 10$	
$10 + 1$	

$10 + 8$	
	
	
$10 + 6$	
	
	
7	
	
9	
3	
10	
8	

Rešitve:

1.

10 + 2	
10 + 1	
10 + 5	
9	
6	
5	
10	
10 + 5	
10 + 9	
7	
10 + 3	
4	


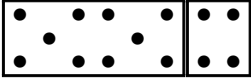

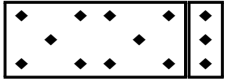


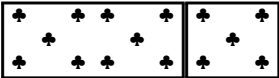
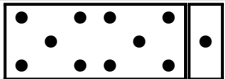
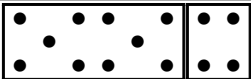
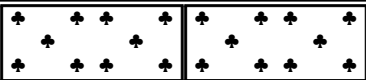
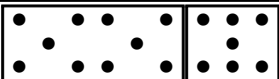

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10 + 6	
10	
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10	
7	


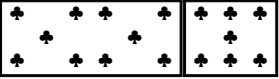



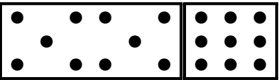
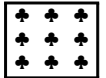

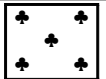
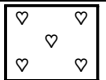
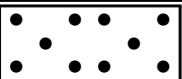
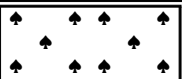
2.

10 + 10	
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10 + 1	
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5	
10 + 3	
10 + 6	
5	
10	
10 + 10	
10 + 5	
10 + 10	

5	
5	
10 + 6	
7	
10 + 2	
3	
10 + 2	
4	
10 + 6	
5	
10 + 10	
10 + 6	

3.

10 + 3	
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10 + 4	
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10 + 7	
7	

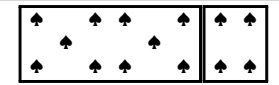
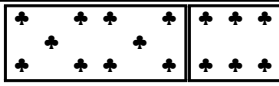
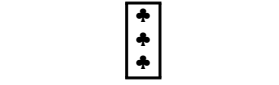
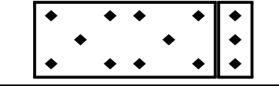
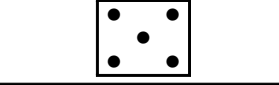
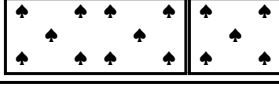






3	
10 + 7	
7	
4	
8	
10 + 9	
9	
5	
5	
5	
10	
10	



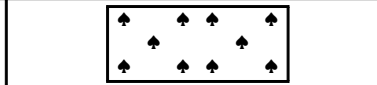
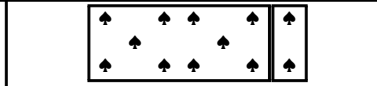
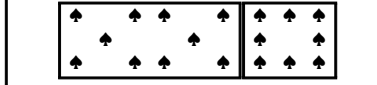
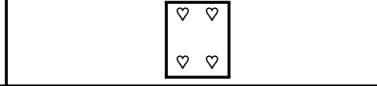
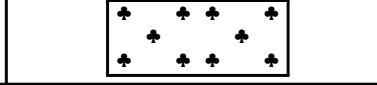
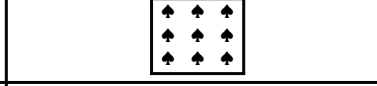






10	
7	
10 + 7	
10 + 3	
6	
3	
9	
10 + 7	
10 + 9	
10 + 8	
10 + 7	
10 + 2	

4.

9	
10 + 9	
10 + 5	
7	
10 + 1	
10 + 6	
10 + 1	
10 + 8	
10 + 4	
10 + 4	
10 + 10	
10 + 4	

$10 + 4$	
$10 + 6$	
3	
$10 + 3$	
5	
$10 + 5$	
$10 + 4$	
$10 + 1$	
$10 + 2$	
10	
7	
5	

5.

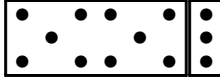
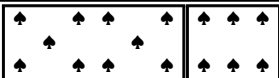



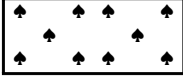

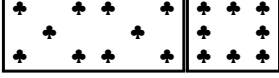




10	
$10 + 2$	
$10 + 8$	
4	
10	
9	
$10 + 7$	
$10 + 8$	
$10 + 4$	
$10 + 10$	
6	
$10 + 7$	

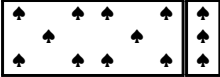


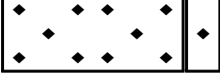








6.

10 + 5	
6	
10 + 10	
10 + 5	
10 + 5	
10 + 2	
10	
9	
10 + 6	
5	
10 + 3	
10 + 7	

9	
10 + 7	
5	
5	
10 + 8	
10	
10 + 3	
10 + 4	
10 + 5	
10 + 1	
10 + 10	
4	

7.




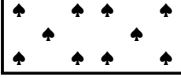







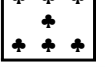
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10 + 6	
7	
3	
7	
10	
5	
10 + 8	
10 + 2	
10 + 4	
6	
10 + 8	

10 + 3	
5	
3	
10 + 1	
10 + 1	
10 + 3	
10 + 7	
10 + 2	
10 + 3	
10	
10 + 2	
4	


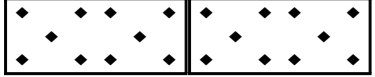
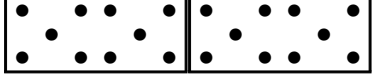
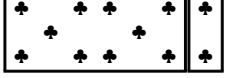








8.

7	
10 + 8	
10 + 5	
10 + 6	
10 + 7	
10 + 10	
10 + 8	
10	
10 + 3	
10 + 7	
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10 + 6	

10 + 8	
3	
10 + 7	
3	
8	
10 + 3	
10 + 4	
9	
10 + 2	
10 + 4	
8	
9	

5	
10 + 8	
3	
10	
10 + 6	
10 + 2	
10 + 2	
4	
10 + 1	
5	
10 + 6	
7	

9.

8	
10 + 10	
10 + 10	
10 + 2	
10 + 5	
5	
10 + 2	
7	
10 + 6	
9	
8	
10 + 9	

10.

$10 + 10$	
$10 + 8$	
$10 + 6$	
$10 + 8$	
$10 + 8$	
$10 + 7$	
$10 + 9$	
8	
5	
$10 + 1$	
5	
6	

5	
$10 + 10$	
$10 + 3$	
7	
3	
$10 + 8$	
$10 + 3$	
$10 + 10$	
7	
$10 + 5$	
$10 + 5$	
$10 + 9$	


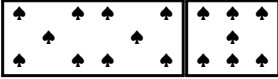
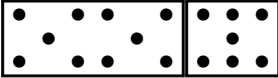



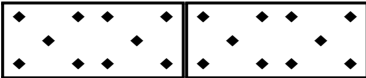

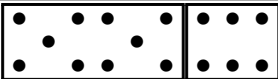
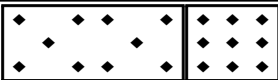
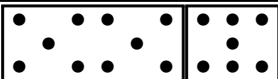

11.




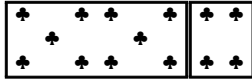

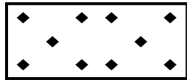

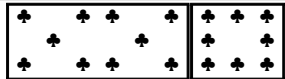

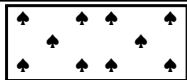

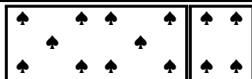
10	
10 + 2	
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10 + 9	
8	
4	
6	
10	
8	
10 + 7	
10 + 2	

3	
6	
10	
6	
10 + 7	
5	
7	
9	
9	
10 + 5	
9	
10 + 6	



12.

9	
10 + 7	
10 + 7	
4	
4	
3	
10 + 10	
3	
10 + 6	
10 + 9	
10 + 7	
10 + 8	

5	
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10 + 4	
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10	
6	
10 + 8	
3	
10	
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10 + 4	

13.

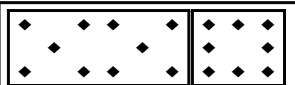
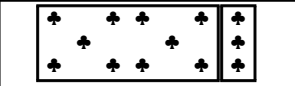








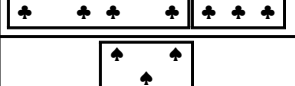
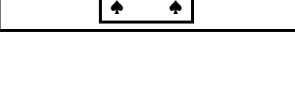
$10 + 5$	
$10 + 9$	
$10 + 7$	
9	
$10 + 8$	
5	
3	
8	
$10 + 2$	
$10 + 6$	
5	
$10 + 10$	

3	
$10 + 6$	
$10 + 7$	
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10	
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$10 + 10$	
8	
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$10 + 8$	
3	

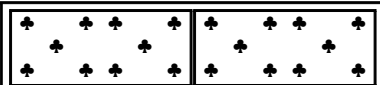
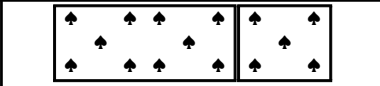
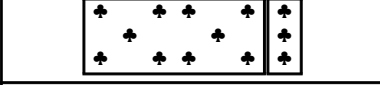


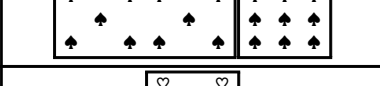
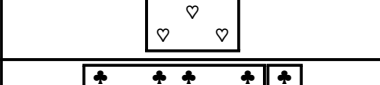
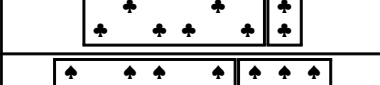
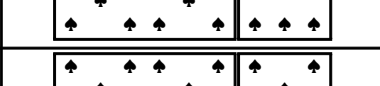
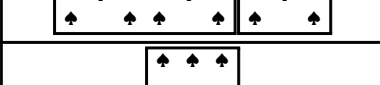

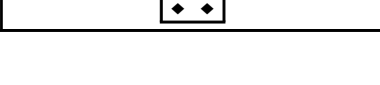
14.

9	
7	
7	
6	
10 + 4	
10 + 5	
9	
7	
10 + 7	
10 + 10	
5	
10	



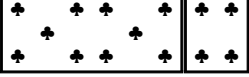
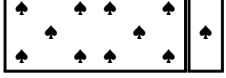


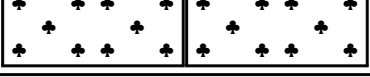



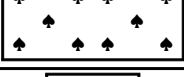

6	
10 + 8	
5	
3	
10 + 3	
5	
8	
7	
10 + 10	
10 + 10	
10 + 9	
10	



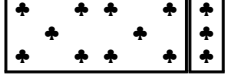









10 + 8	
10 + 3	
10 + 1	
7	
10	
10 + 4	
8	
10 + 3	
7	
9	
10 + 6	
5	

15.

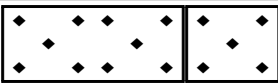






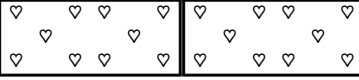
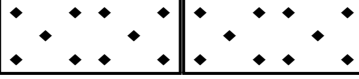



10 + 10	
10 + 5	
10 + 3	
10 + 2	
10 + 10	
10 + 9	
5	
10 + 3	
10 + 6	
10 + 5	
6	
4	

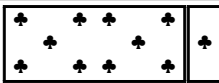
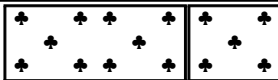
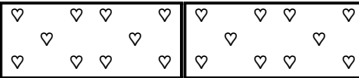
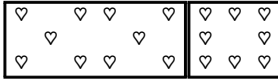
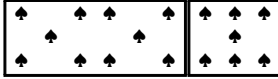
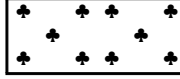

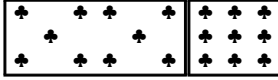



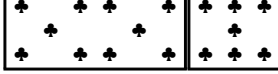
16.

7	
7	
10 + 4	
10 + 1	
9	
10 + 5	
10 + 10	
5	
10 + 3	
3	
10	
7	

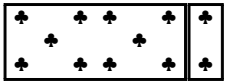






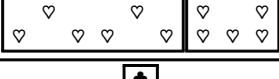




10 + 7	
7	
10 + 3	
5	
10 + 7	
10 + 7	
10	
10 + 2	
4	
10 + 6	
10 + 2	
10 + 7	



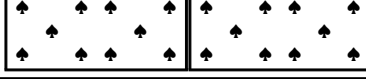









17.

$10 + 5$	
6	
5	
6	
6	
9	
10	
$10 + 10$	
$10 + 10$	
$10 + 9$	
8	
$10 + 3$	

$10 + 1$	
$10 + 5$	
$10 + 10$	
$10 + 8$	
$10 + 7$	
10	
3	
$10 + 9$	
5	
$10 + 7$	
$10 + 6$	
$10 + 7$	

18.

$10 + 2$	
8	
3	
8	
3	
$10 + 3$	
7	
$10 + 8$	
3	
8	
$10 + 10$	
7	

$10 + 6$	
$10 + 8$	
$10 + 10$	
3	
6	
$10 + 8$	
7	
10	
$10 + 2$	
5	
4	
9	

19.

10 + 8	
10 + 2	
4	
9	
6	
10	
10	
10	
10 + 4	
10 + 7	
10 + 10	
6	

9	
10 + 4	
10 + 7	
10	
6	
10 + 6	
10 + 9	
5	
10 + 7	
10 + 4	
3	
9	



20.

$10 + 10$	
$10 + 2$	
$10 + 6$	
$10 + 10$	
$10 + 2$	
$10 + 7$	
$10 + 4$	
$10 + 8$	
10	
4	
$10 + 10$	
$10 + 1$	

$10 + 8$	
8	
7	
$10 + 6$	
8	
$10 + 1$	
7	
$10 + 3$	
9	
3	
10	
8	

Izidor Hafner

Illustrating Arithmetic with Graphic Arrays

<http://demonstrations.wolfram.com/IllustratingArithmeticWithGraphicArrays/Wolfram>

Demonstrations Project

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