Facit - Räkna med Domino, art. nr beta-0713

1. **2** + 2 = 4, 1 + **5** = 6, **6** + 3 = 9, **6** + 1 = 7, 3 + **0** = 3, **3** + 4 = 7, **3** + 3 = 6, **3** + 5 = 8

2. **3** + 2 = 5, **6** + 6 = 12, **6** + 4 = 10, **5** + 2 = 7, **6** + 2 = 8, 0 + 0 = 0, **0** + 5 = 5, **5** + 6 = 11

3. 3 - **2** = 1, **5** - 2 = 3, **6** - 1 = 5, 3 - **0** = 3, **4** - 4 = 0, 3 - **1** = 2, 4 - **2** = 2, 6 - **2** = 4

4. 4 - **3** = 1, 5 - **4** = 1, 5 - **3** = 2, **6** - 3 = 3, 6 - **6** = 0, **5** - 4 = 1, **6** - 4 = 2, 0 - 0 = 0

5. 2 + 0 = 2, 1 + 1 = 2, 3 + 0 = 3, 2 + 1 = 3, 4 + 0 = 4, 3 + 1 = 4, 2 + 2 = 4, 5 + 0 = 5, 4 + 1 = 5, 3 + 2 = 5, 5 + 5 = 10, 6 + 4 = 10

6. 6 + 0 = 6, 5 + 1 = 6, 4 + 2 = 6, 3 + 3 = 6, 6 + 1 = 7, 5 + 2 = 7, 4 + 3 = 7, 6 + 2 = 8, 5 + 3 = 8, 4 + 4 = 8, 6 + 3 = 9, 5 + 4 = 9

7. 3 - 0 = 3, 4 - 1 = 3, 5 - 2 = 3, 6 - 3 = 3, 6 - 1 = 5, 5 - 0 = 5, 6 - 5 = 1, 5 - 4 = 1, 4 - 3 = 1, 3 - 2 = 1, 2 - 1 = 1, 1 - 0 = 1

8. 6 - 4 = 2, 5 - 3 = 2, 4 - 2 = 2, 3 - 1 = 2, 2 - 0 = 2, 6 - 6 = 0, 5 - 5 = 0, 4 - 4 = 0, 3 - 3 = 0, 2 - 2 = 0, 1 - 1 = 0, 0 - 0 = 0

9. [5|5]+[|]   [5|4]+[1|0]   [5|3]+[1|1]   [5|2]+[3|]   [5|1]+[3|1]

   [5|]+[3|2]   [4|]+[3|3]   [6|]+[2|2]   [6|1]+[2|1]   [6|2]+[2|]

10. [6|6]+[|]   [5|5]+[1|1]   [6|5]+[1|]   [5|4]+[2|1]   [6|4]+[2|]   [4|4]+[4|]   [4|2]+[3|3]

    [5|]+[6|1]   [4|1]+[5|2]   [6|2]+[2|2]   [6|3]+[3|]   [5|3]+[3|1]   [4|3]+[3|2]

11. [3|]+[2|2]+[2|1]   [2|]+[4|2]+[1|1]   [3|1]+[3|3]+[|]   [4|]+[1|]+[5|]

12. [6|]+[5|]+[1|]   [5|1]+[4|]+[1|1]   [5|2]+[3|]+[2|]   [4|4]+[2|2]+[|]   [3|2]+[3|1]+[2|1]

13. [3|3]+[5|1]+[3|]+[1|]   [3|2]+[4|1]+[1|1]+[4|]   [5|]+[4|2]+[2|1]+[2|]   [3|1]+[2|2]+[4|4]+[|] eller

    [6|]+[5|1]+[1|1]+[2|]   [4|4]+[2|1]+[4|1]+[|]   [5|]+[3|]+[3|1]+[2|2]   [3|3]+[3|2]+[1|]+[4|]

14. [6|6]+[6|]+[1|1]+[|]   [6|5]+[4|2]+[2|]+[1|]   [6|4]+[4|]+[3|]+[2|1]   [3|3]+[4|1]+[3|2]+[3|1]

15. Så många som möjligt.   Så få som möjligt.

[6|6] + [6|5] + [6|4] = 33   [6|6] + [6|5] + [5|5] = 33   [_|_] + [1|_] + [1|1] = 3   [_|_] + [1|_] + [2|_] = 3

5 möjliga lösningar för de övriga 2 raderna.

[3|3] + [2|2] + [2|_] = 12 & [3|2] + [4|_] + [2|1] = 12   [4|_] + [3|_] + [2|_] = 9 & [3|2] + [5|2] + [2|1] = 15

[3|3] + [3|_] + [2|_] = 11 & [3|2] + [5|_] + [2|1] = 13   [2|1] + [3|_] + [2|_] = 8 & [3|2] + [5|2] + [4|_] = 16

[4|1] + [3|_] + [2|_] = 10 & [3|2] + [5|1] + [2|1] = 14

16. [6|6] + [6|5] + [6|4] + [5|3] = 43 & [_|_] + [1|_] + [1|1] + [2|_] = 5

11 möjliga lösningar för de återstående raderna.

[4|_] + [3|1] + [2|1] + [3|_] = 14 & [6|3] + [5|4] + [6|2] + [5|3] = 34   [5|2] + [3|2] + [2|1] + [5|_] = 20 & [6|3] + [5|4] + [6|1] + [3|_] = 28

[5|_] + [3|1] + [2|1] + [3|_] = 15 & [6|3] + [5|4] + [6|2] + [5|2] = 33   [5|2] + [3|2] + [2|1] + [4|2] = 21 & [6|3] + [5|4] + [6|_] + [3|_] = 27

[5|_] + [3|2] + [2|1] + [3|_] = 16 & [6|3] + [5|4] + [6|2] + [5|1] = 32   [5|2] + [3|2] + [2|1] + [6|1] = 22 & [6|3] + [5|4] + [5|_] + [3|_] = 26

[4|1] + [3|2] + [2|1] + [3|_] = 17 & [6|3] + [5|4] + [6|2] + [4|1] = 5   [5|2] + [3|3] + [2|1] + [6|1] = 23 & [6|3] + [5|4] + [4|_] + [3|_] = 25

[5|2] + [3|2] + [2|1] + [3|_] = 18 & [6|3] + [5|4] + [6|2] + [4|_] = 30   [5|2] + [3|3] + [2|2] + [6|1] = 24 & [6|3] + [5|3] + [4|_] + [3|_] = 24

[5|2] + [3|2] + [2|1] + [3|1] = 19 & [6|3] + [5|4] + [6|1] + [4|_] = 29

17. [1|_] [1|1] [2|_] [2|1] [2|2] [3|2] [3|3] [4|1] [4|3] [5|_]

18. [1|_] [2|_] [2|2] [3|1] [3|2] [4|_] [4|1] [5|_] [5|5] [6|4]

eller [1|1] [_|_] [2|2] [2|1] [3|_] [3|2] [2|4] [4|5] [6|2] [6|6]

19. [5|2] [0]/[1] — 7 — [1]/[1] [_|6]   [5|3] [2]/[2] — 10 — [3]/[2] [2|6]   [6|5] [1]/[5] — 12 — [4]/[2] [4|6]   [4|4] [5]/[4] — 13 — [3]/[6] [3|4]

20. [3]/[3] [3] — 6 — [1]/[2] [2|4]   [1|5] [3]/[2] — 9 — [5]/[3] [2|4]   [6] [5]/[2] — 11 — [1]/[4] [3|4]   [6|6] [3]/[6] — 15 — [5]/[4] [5|6]

21.

| 2 | 2 | | 6 | 4 | | 5 | 5 | | 6 | |

2			5			6			6
6	14		3			1	16		6

| 4 | 4 | | 4 | 2 | | 4 | 3 | | 5 | 4 |

22.

| 2 | | 6 | 2 | | 4 | | | 2 |
| 2 | | | | | | | | 5 |

| 2 | | 16 | | | 3 |
| 4 | | | | | 5 |

| 1 | | | | | |
| 5 | | 5 | | 3 | 2 | | 1 |

23. Tolv prickar

5			5	1		1	
			4			5	3
6	1		1	1		2	1

Femton prickar

4	4		1			5	1
3			4	1		5	2
4			5	4		1	1

24. Arton prickar

3	1		6			5	3
6	4		3	3		2	
4			5	1		6	2

Tjugoen prickar

3	2		6	1		5	4
6	5		4	3		2	1
4	1		5	2		6	3

25. 1) | 6 | 6 | 2) | | |
3) $5 + 0 = 5$, $4 + 1 = 5$, $3 + 2 = 5$
4) $6 + 2 = 8$, $5 + 3 = 8$, $4 + 4 = 8$
5) $6 + 6 = 12$, $5 + 5 = 10$, $4 + 4 = 8$, $3 + 3 = 6$, $2 + 2 = 4$, $1 + 1 = 2$, $0 + 0 = 0$

26. 1) $4 + 0 = 4$, $3 + 1 = 4$, $2 + 2 = 4$, $5 + 0 = 5$, $4 + 1 = 5$, $3 + 2 = 5$
2) $1 + 0 = 1$, $2 + 0 = 2$, $3 + 0 = 3$, $4 + 0 = 4$, $5 + 0 = 5$, $6 + 0 = 6$
3) $4 = 4 + 0$, $6 = 5 + 1$, $8 = 6 + 2$

27. $\mathbf{6} + 5 = 11$, $6 + \mathbf{6} = 12$, $1 + \mathbf{0} = 1$, $4 + \mathbf{6} = 10$, $1 + \mathbf{2} = 3$
$\mathbf{5} + 4 = 9$, $\mathbf{3} + 1 = 4$, $2 + \mathbf{2} = 4$, $\mathbf{0} + 4 = 4$, $1 + \mathbf{1} = 2$
$\mathbf{0} + 2 = 2$, $1 + \mathbf{5} = 6$, $\mathbf{4} + 2 = 6$, $\mathbf{0} + 6 = 6$, $3 + \mathbf{3} = 6$

28. $7 = 4 + \mathbf{3}$, $9 = 3 + \mathbf{6}$, $6 = 1 + \mathbf{5}$, $11 = 5 + \mathbf{6}$, $10 = 4 + \mathbf{6}$
$3 = 1 + \mathbf{2}$, $5 = 4 + \mathbf{1}$, $5 = 2 + \mathbf{3}$, $5 = 5 + \mathbf{0}$, $8 = 2 + \mathbf{6}$
$8 = 4 + \mathbf{4}$, $8 = 3 + \mathbf{5}$, $7 = 1 + \mathbf{6}$, $7 = 2 + \mathbf{5}$, $4 = 3 + \mathbf{1}$