

# S-114.1327 Fysiikka III (Est)

Kevät 2007

## Tulokset

| Op. num.      | 1          | 2a         | 2b         | 3          | 4a         | 4b         | 4c         | 4d         | 4e         | 4f         | 5a         | 5b         | Yht.        | 1          | 2          | 3          | 4   | 5   | Yht.        | vk1 + vk2   | Lask.bonus | palaute  | Yhteensä | Arvosana |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|-----|-----|-------------|-------------|------------|----------|----------|----------|
|               | 6,0        | 2,0        | 4,0        | 6,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 3,0        | 3,0        | 30,0        | 6,0        | 6,0        | 6,0        | 6,0 | 6,0 | 30,0        | 60,0        | 10         | 1        |          |          |
| 39515S        | 6,0        | 0,0        | 3,5        | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 1,0        | 0,5        |            | 0,5        | 16,0        | 3,5        | 0,5        | 2,0        | 6,0 | 1,0 | 13,0        | 29,0        | 8          | 1        | 38       | 2        |
| 42911L        | 6,0        |            | 3,5        |            | 0,5        | 1,0        |            |            |            | 1,0        |            |            | 12,0        |            |            |            |     |     | 0,0         | 12,0        | 3          |          | 15       | 0        |
| 48254R        | 6,0        |            | 2,5        |            | 0,0        | 1,0        | 1,0        | 1,0        |            | 1,0        |            |            | 12,5        |            |            |            |     |     | 0,0         | 12,5        | 5          |          | 18       | 0        |
| 49846L        | 5,5        |            | 2,0        | 0,0        | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 1,0        | 0,0        | 0,5        | 13,5        | 3,0        | 0,5        | 6,0        | 3,5 | 0,0 | 13,0        | 26,5        | 6          | 1        | 34       | 2        |
| 51313R        | 6,0        | 0,0        | 3,5        |            | 1,0        | 0,0        | 1,0        |            |            | 0,5        |            |            | 12,0        | 1,0        | 0,0        | 3,0        | 4,0 | 1,5 | 9,5         | 21,5        | 8          | 1        | 31       | 1        |
| 53661F        | 6,0        | 0,5        | 4,0        |            | 0,0        | 0,5        | 0,0        | 1,0        | 1,0        | 0,0        | 3,0        | 2,0        | 18,0        | 3,0        | 0,5        | 3,0        | 4,5 | 0,0 | 11,0        | 29,0        | 9          | 1        | 39       | 3        |
| 53736E        | 5,5        |            | 4,0        |            | 0,0        | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 2,0        | 2,5        | 18,5        | 3,0        | 0,5        | 4,0        | 3,0 |     | 10,5        | 29,0        | 9          | 1        | 39       | 3        |
| 53744P        | 5,5        | 0,0        | 4,0        | 4,0        | 0,0        | 0,5        | 0,0        | 0,0        | 0,0        | 0,5        | 1,5        | 2,0        | 18,0        | 1,0        | 1,0        | 4,0        | 1,0 | 0,0 | 7,0         | 25,0        | 10         | 1        | 36       | 2        |
| 53747T        | 5,5        | 1,0        | 4,0        |            | 0,0        |            | 1,0        |            |            |            |            |            | 11,5        |            |            |            |     |     | 0,0         | 11,5        | 2          |          | 14       | 0        |
| 53758J        | 5,0        |            | 3,0        |            | 0,0        | 0,0        | 1,0        | 0,0        | 0,5        | 0,0        |            |            | 9,5         |            |            |            |     |     | 0,0         | 9,5         | 4          | 1        | 15       | 0        |
| 53759K        | 5,5        | 0,0        | 3,0        | 0,0        | 0,0        | 0,0        | 0,0        | 1,0        | 1,0        | 0,0        | 1,5        | 1,0        | 13,0        | 2,0        | 0,0        | 3,0        | 1,0 | 0,0 | 6,0         | 19,0        | 9          | 1        | 29       | 1        |
| 53761M        | 5,0        | 0,5        | 4,0        | 3,0        | 0,0        | 0,0        | 0,0        | 1,0        | 1,0        |            | 0,0        | 2,0        | 16,5        | 4,5        | 5,0        | 6,0        | 4,5 | 0,0 | 20,0        | 36,5        | 10         | 1        | 48       | 4        |
| <b>53818M</b> | <b>6,0</b> | <b>0,0</b> | <b>4,0</b> | <b>4,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,5</b> | <b>3,0</b> | <b>1,5</b> | <b>21,5</b> | <b>2,0</b> | <b>6,0</b> | <b>2,0</b> |     |     | <b>17,0</b> | <b>38,5</b> | <b>10</b>  | <b>1</b> | 50       | 4        |
| <b>53857N</b> | <b>6,0</b> |            | <b>4,0</b> | <b>3,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,0</b> |            | <b>2,0</b> | <b>19,5</b> | <b>1,0</b> | <b>6,0</b> | <b>0,0</b> |     |     | <b>12,0</b> | <b>31,5</b> | <b>9</b>   | <b>1</b> | 42       | 3        |
| 53876N        | 6,0        | 0,5        | 4,0        | 5,0        | 0,0        | 1,0        | 0,0        | 1,0        |            | 0,5        | 0,0        | 1,0        | 19,0        | 0,5        | 1,0        | 4,0        | 0,0 | 1,5 | 7,0         | 26,0        | 6          | 1        | 33       | 2        |
| <b>53877P</b> | <b>6,0</b> |            | <b>3,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> |            | <b>0,0</b> | <b>9,0</b>  | <b>0,0</b> | <b>6,0</b> | <b>1,0</b> |     |     | <b>12,0</b> | <b>21,0</b> | <b>10</b>  |          | 31       | 1        |
| 53887D        | 6,0        | 1,0        | 4,0        | 2,0        | 1,0        | 1,0        | 1,0        | 0,0        | 0,0        | 0,0        | 1,0        | 3,0        | 20,0        | 1,5        | 0,5        | 3,0        | 4,5 | 1,0 | 10,5        | 30,5        | 6          | 1        | 38       | 2        |
| 53904B        | 6,0        |            | 3,5        | 3,0        |            | 1,0        | 1,0        |            | 1,0        | 1,0        | 2,0        | 2,0        | 20,5        | 4,5        | 6,0        | 6,0        | 6,0 |     | 22,5        | 43,0        | 10         | 1        | 54       | 5        |
| 53906D        | 6,0        | 0,5        | 2,5        |            | 0,0        | 0,6        | 0,5        | 1,0        | 0,5        | 1,0        | 1,0        | 1,0        | 14,6        | 3,5        | 4,5        | 6,0        | 1,0 | 1,0 | 16,0        | 30,6        | 4          | 1        | 36       | 2        |
| 53923B        | 6,0        | 1,0        | 4,0        | 4,0        | 0,0        | 0,5        | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 3,0        | 23,0        | 4,5        | 6,0        | 6,0        | 1,0 | 2,5 | 20,0        | 43,0        | 10         | 1        | 54       | 5        |
| <b>53928H</b> | <b>5,5</b> |            | <b>3,5</b> |            | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> |            |            | <b>0,5</b> |            |            | <b>10,0</b> | <b>1,0</b> | <b>6,0</b> | <b>0,0</b> |     |     | <b>12,0</b> | <b>22,0</b> | <b>6</b>   | <b>1</b> | 29       | 1        |
| <b>53929J</b> | <b>5,0</b> |            | <b>3,0</b> |            | <b>0,0</b> | <b>0,5</b> | <b>1,0</b> |            | <b>0,0</b> | <b>0,0</b> |            |            | <b>9,5</b>  | <b>1,0</b> | <b>6,0</b> | <b>3,0</b> |     |     | <b>17,0</b> | <b>26,5</b> | <b>5</b>   | <b>1</b> | 33       | 2        |
| 53958V        | 5,0        | 2,0        | 4,0        | 3,0        | 0,0        | 1,0        | 0,0        | 1,0        | 0,0        | 1,0        | 1,5        | 2,0        | 20,5        | 6,0        | 6,0        | 6,0        | 3,0 | 1,0 | 22,0        | 42,5        | 9          |          | 52       | 5        |
| <b>53962C</b> | <b>6,0</b> | <b>2,0</b> | <b>4,0</b> | <b>2,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>2,0</b> | <b>2,0</b> | <b>21,5</b> | <b>2,0</b> | <b>6,0</b> | <b>5,0</b> |     |     | <b>22,0</b> | <b>43,5</b> | <b>10</b>  |          | 54       | 5        |
| 54336T        | 6,0        | 0,5        | 4,0        | 1,0        | 0,0        | 1,0        | 0,0        | 1,0        | 0,5        | 0,5        | 3,0        | 3,0        | 20,5        | 0,5        | 0,0        | 2,0        | 3,0 | 2,0 | 7,5         | 28,0        | 8          | 1        | 37       | 2        |
| 54680V        | 5,5        | 0,0        | 4,0        |            | 0,0        | 0,5        | 1,0        | 0,0        |            | 0,5        |            |            | 11,5        | 4,0        | 3,5        | 1,0        | 1,5 | 0,0 | 10,0        | 21,5        | 6          | 1        | 29       | 1        |
| 55272B        | 6,0        | 1,5        | 3,5        |            | 0,0        | 0,5        | 0,0        | 1,0        |            | 1,0        |            | 1,0        | 14,5        | 6,0        | 6,0        | 4,0        | 5,5 | 5,0 | 26,5        | 41,0        | 9          | 1        | 51       | 4        |

|               |            |            |            |            |            |            |            |            |            |            |            |            |             |            |            |            |     |     |             |             |           |          |           |          |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|-----|-----|-------------|-------------|-----------|----------|-----------|----------|
| 55634C        | 6,0        | 0,5        | 4,0        | 4,0        | 0,0        | 1,0        |            |            |            |            | 1,0        | 1,0        | 17,5        | 1,5        | 6,0        | 2,5        | 1,5 |     | 11,5        | 29,0        | 9         | 1        | 39        | 3        |
| 57368J        | 4,0        | 0,0        | 2,5        | 1,0        |            | 0,5        | 0,0        |            |            |            | 0,0        | 0,5        | 8,5         |            |            |            |     |     | 0,0         | 8,5         | 6         | 1        | 16        | 0        |
| 57548U        | 5,0        | 0,5        | 4,0        |            | 0,5        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 2,0        | 3,0        | 20,0        | 2,0        | 0,5        | 4,0        | 1,0 | 0,0 | 7,5         | 27,5        | 8         | 1        | 37        | 2        |
| 57995J        | 6,0        | 0,0        |            |            | 0,5        | 0,5        | 1,0        | 1,0        | 1,0        | 1,0        |            | 0,0        | 11,0        | 2,5        | 0,5        | 4,0        | 0,5 | 0,0 | 7,5         | 18,5        | 5         |          | 24        | 0        |
| 58096R        | 6,0        | 1,0        | 3,5        | 1,0        | 0,5        | 1,0        | 0,0        | 1,0        | 0,5        | 0,0        |            |            | 14,5        |            |            |            |     |     | 0,0         | 14,5        | 3         |          | 18        | 0        |
| <b>58294C</b> | <b>6,0</b> | <b>0,0</b> | <b>4,0</b> |            | <b>0,0</b> | <b>1,0</b> | <b>0,0</b> |            | <b>1,0</b> | <b>0,5</b> |            |            | <b>12,5</b> | <b>1,0</b> | <b>6,0</b> | <b>3,0</b> |     |     | <b>17,0</b> | <b>29,5</b> | <b>9</b>  | <b>1</b> | <b>40</b> | <b>3</b> |
| 58726U        | 4,5        | 0,5        | 3,0        | 4,0        | 1,0        | 1,0        | 1,0        | 1,0        |            | 0,5        | 2,5        | 2,0        | 21,0        | 3,0        | 3,0        | 4,0        | 4,5 | 0,0 | 14,5        | 35,5        | 9         |          | 45        | 4        |
| 60264T        | 4,5        |            | 3,0        |            | 1,0        |            | 1,0        |            | 0,5        | 0,0        |            |            | 10,0        |            |            |            |     |     | 0,0         | 10,0        | 2         |          | 12        | 0        |
| <b>60280P</b> | <b>5,5</b> | <b>0,0</b> | <b>3,5</b> |            |            |            |            |            |            |            |            |            | <b>9,0</b>  | <b>1,0</b> | <b>4,0</b> | <b>0,0</b> |     |     | <b>8,0</b>  | <b>17,0</b> | <b>4</b>  |          | <b>21</b> | <b>0</b> |
| 60392M        | 6,0        |            | 1,0        |            | 0,0        |            | 0,0        |            |            |            |            |            | 7,0         |            |            |            |     |     | 0,0         | 7,0         | 6         |          | 13        | 0        |
| 60455U        | 6,0        | 2,0        | 4,0        | 5,0        | 1,0        | 1,0        | 1,0        | 1,0        |            | 1,0        | 1,5        | 2,5        | 26,0        | 6,0        | 6,0        | 6,0        | 5,5 | 3,0 | 26,5        | 52,5        | 10        |          | 63        | 5        |
| 60744B        | 2,0        |            | 3,5        | 0,0        | 0,5        | 0,0        | 0,0        |            | 0,5        | 0,0        |            |            | 6,5         |            |            |            |     |     | 0,0         | 6,5         | 2         |          | 9         | 0        |
| 60867M        | 5,0        | 2,0        | 0,0        | 2,5        | 0,0        | 0,5        | 0,0        | 1,0        |            | 0,0        | 2,0        | 1,0        | 14,0        | 0,5        | 4,5        | 3,0        | 0,0 | 0,0 | 8,0         | 22,0        | 8         | 1        | 31        | 1        |
| <b>61083V</b> | <b>5,5</b> | <b>1,5</b> | <b>3,5</b> | <b>2,0</b> |            | <b>0,0</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> |            | <b>1,5</b> | <b>17,0</b> | <b>0,0</b> | <b>6,0</b> | <b>4,0</b> |     |     | <b>17,0</b> | <b>34,0</b> | <b>9</b>  | <b>1</b> | <b>44</b> | <b>3</b> |
| <b>61139U</b> | <b>6,0</b> | <b>0,5</b> | <b>3,0</b> |            |            | <b>1,0</b> |            |            |            | <b>0,5</b> |            |            | <b>11,0</b> | <b>1,0</b> | <b>6,0</b> | <b>2,0</b> |     |     | <b>15,0</b> | <b>26,0</b> | <b>4</b>  | <b>1</b> | <b>31</b> | <b>1</b> |
| 61412E        | 6,0        | 2,0        | 3,5        | 4,0        | 1,0        | 0,5        | 0,0        | 1,0        | 1,0        | 0,0        | 3,0        | 1,0        | 23,0        | 1,5        | 6,0        | 3,0        |     | 0,0 | 10,5        | 33,5        | 9         | 1        | 44        | 3        |
| <b>61579A</b> | <b>6,0</b> |            | <b>2,0</b> |            |            |            |            |            |            |            | <b>2,0</b> |            | <b>10,0</b> | <b>1,0</b> | <b>0,0</b> | <b>4,0</b> |     |     | <b>8,0</b>  | <b>18,0</b> | <b>8</b>  | <b>1</b> | <b>27</b> | <b>1</b> |
| 62574J        | 5,5        |            | 3,5        | 0,0        | 0,0        | 1,0        | 1,0        | 0,0        | 0,5        | 0,5        | 0,0        | 0,5        | 12,5        | 1,0        | 0,5        | 4,0        | 2,5 | 0,0 | 8,0         | 20,5        | 10        | 1        | 32        | 1        |
| 62593J        | 5,5        | 0,5        | 3,0        | 6,0        | 0,0        | 0,5        | 0,5        | 1,0        | 1,0        | 0,5        | 1,0        | 2,0        | 21,5        | 4,0        | 2,5        | 4,0        | 0,0 | 0,0 | 10,5        | 32,0        | 9         | 1        | 42        | 3        |
| <b>62600S</b> | <b>4,0</b> |            | <b>3,5</b> |            | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,5</b> | <b>0,0</b> |            | <b>1,5</b> | <b>10,5</b> | <b>1,0</b> | <b>3,0</b> | <b>0,0</b> |     |     | <b>7,0</b>  | <b>17,5</b> | <b>10</b> | <b>1</b> | <b>29</b> | <b>1</b> |
| 62638S        | 5,5        | 2,0        | 3,5        | 5,0        | 0,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 2,0        | 2,5        | 25,5        | 4,0        | 6,0        | 4,0        | 4,5 | 1,5 | 20,0        | 45,5        | 10        | 1        | 57        | 5        |
| 62665D        | 6,0        |            | 3,5        |            | 0,0        |            | 0,0        | 0,0        | 1,0        |            |            |            | 10,5        |            |            |            |     |     | 0,0         | 10,5        | 3         | 1        | 15        | 0        |
| 62765K        | 6,0        | 0,5        | 3,5        | 5,0        | 0,5        | 0,0        | 1,0        |            | 0,0        | 0,0        | 1,0        | 1,5        | 19,0        | 0,5        | 0,0        | 6,0        | 6,0 | 2,5 | 15,0        | 34,0        | 9         | 1        | 44        | 3        |
| 62809S        | 5,0        | 0,5        | 3,5        | 0,0        | 1,0        | 0,5        | 1,0        | 1,0        | 0,5        | 0,5        | 0,0        | 0,5        | 14,0        | 0,0        | 1,5        | 3,0        | 4,5 | 0,5 | 9,5         | 23,5        | 6         | 1        | 31        | 1        |
| 62837E        | 5,5        | 0,0        | 4,0        | 0,0        | 0,0        | 0,5        | 1,0        | 0,0        | 0,0        | 0,0        | 2,0        | 0,0        | 13,0        | 1,5        | 1,0        | 4,0        | 4,5 | 2,0 | 13,0        | 26,0        | 10        | 1        | 37        | 2        |
| 62890A        | 6,0        |            | 4,0        |            | 0,0        | 1,0        | 1,0        | 0,0        | 0,0        | 0,0        |            | 0,0        | 12,0        | 1,5        | 4,0        | 6,0        | 4,0 | 1,0 | 16,5        | 28,5        | 10        |          | 39        | 3        |
| 62927W        | 5,5        | 0,5        | 2,5        | 3,0        |            | 1,0        | 0,0        | 1,0        | 0,0        |            | 1,0        | 2,0        | 16,5        | 0,5        | 0,5        | 3,5        | 0,0 | 1,0 | 5,5         | 22,0        | 8         | 1        | 31        | 1        |
| 62932E        | 5,5        | 0,5        | 4,0        |            | 0,0        | 0,0        | 0,5        | 0,0        | 0,5        | 0,0        | 1,0        | 1,5        | 13,5        | 3,5        | 0,0        | 3,0        | 4,5 | 0,0 | 11,0        | 24,5        | 9         | 1        | 35        | 2        |
| 62956L        | 6,0        | 0,5        | 4,0        | 6,0        | 1,0        | 1,0        | 1,0        | 1,0        | 0,0        | 0,5        | 1,0        | 2,0        | 24,0        | 4,5        | 5,5        | 5,5        | 4,5 |     | 20,0        | 44,0        | 8         | 1        | 53        | 5        |
| 63117W        | 5,5        | 1,5        | 3,5        | 6,0        | 0,0        | 0,5        | 0,0        | 0,0        | 0,0        | 0,5        | 2,0        | 0,0        | 19,5        | 0,0        | 0,0        | 2,0        | 2,0 |     | 4,0         | 23,5        | 10        | 1        | 35        | 2        |
| 63127L        | 5,0        | 0,5        | 4,0        | 3,0        | 0,5        | 0,5        | 1,0        |            |            | 1,0        |            |            | 15,5        | 3,5        | 5,5        | 6,0        | 4,5 | 3,0 | 22,5        | 38,0        | 10        | 1        | 49        | 4        |
| 63142F        | 5,5        |            | 0,0        |            | 0,0        | 0,0        | 0,0        |            | 0,0        | 0,0        |            |            | 5,5         |            |            |            |     |     | 0,0         | 5,5         | 3         |          | 9         | 0        |
| 63186N        | 6,0        |            | 3,0        | 0,0        | 0,0        | 0,5        | 1,0        |            | 0,0        | 0,0        | 0,0        | 0,5        | 11,0        | 0,5        | 0,0        | 3,0        | 0,5 | 1,0 | 5,0         | 16,0        | 10        | 1        | 27        | 1        |
| 63202K        | 6,0        | 0,0        | 4,0        | 6,0        | 0,0        | 1,0        | 1,0        | 1,0        | 0,0        | 0,5        | 3,0        | 3,0        | 25,5        | 4,0        | 1,5        | 4,0        | 5,0 | 2,5 | 17,0        | 42,5        | 10        | 1        | 54        | 5        |
| <b>63216D</b> | <b>4,5</b> | <b>2,0</b> | <b>3,5</b> | <b>5,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,0</b> | <b>0,0</b> | <b>1,0</b> |            | <b>3,0</b> | <b>22,5</b> | <b>5,0</b> | <b>6,0</b> | <b>6,0</b> |     |     | <b>28,0</b> | <b>50,5</b> | <b>10</b> | <b>1</b> | <b>62</b> | <b>5</b> |
| 63218F        | 5,0        | 2,0        | 3,5        | 4,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 2,0        | 1,5        | 24,0        | 6,0        | 6,0        | 6,0        | 4,0 | 5,0 | 27,0        | 51,0        | 10        | 1        | 62        | 5        |

|               |            |            |            |            |            |            |            |            |            |            |            |            |             |            |            |            |            |            |             |             |           |          |           |          |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|-----------|----------|-----------|----------|
| 63223M        | 6,0        | 1,5        | 3,5        | 0,0        |            | 0,5        |            |            |            | 1,0        |            |            | 12,5        |            | 0,5        |            |            |            | 0,5         | 13,0        | 6         | 1        | 20        | 0        |
| 63243N        | 5,0        | 0,5        | 4,0        | 1,0        | 1,0        | 1,0        | 0,0        | 1,0        | 0,5        | 2,0        | 1,5        | 18,5       | 4,0         | 0,5        | 4,0        | 4,5        | 2,0        | 15,0       | 33,5        | 9           | 1         | 44       | 3         |          |
| 63247T        | 5,5        | 2,0        | 3,5        | 0,0        | 1,0        | 0,5        |            | 1,0        |            | 1,0        |            | 2,5        | 17,0        | 5,5        | 6,0        | 6,0        | 4,5        | 2,0        | 24,0        | 41,0        | 4         | 1        | 46        | 4        |
| 63299M        | 5,5        | 0,0        | 3,5        | 0,0        | 0,0        | 0,5        | 0,5        |            |            |            |            | 0,0        | 10,0        | 0,0        | 0,5        | 4,0        | 1,0        | 1,0        | 6,5         | 16,5        | 6         | 1        | 24        | 0        |
| <b>63363V</b> | <b>3,0</b> | <b>5,0</b> | <b>1,0</b> |            |            |            |            |            |            |            |            |            | <b>15,0</b> | <b>3,5</b> | <b>2,0</b> | <b>4,0</b> | <b>2,5</b> | <b>1,0</b> | <b>13,0</b> | <b>28,0</b> | <b>3</b>  | <b>1</b> | <b>32</b> | <b>1</b> |
| 63372J        | 5,5        | 0,0        | 4,0        | 0,0        |            | 0,0        | 0,0        |            |            |            |            | 0,5        | 10,0        | 2,0        | 0,0        | 2,0        | 4,5        | 2,0        | 10,5        | 20,5        | 10        | 1        | 32        | 1        |
| 63438U        | 6,0        |            | 3,5        |            | 0,0        |            |            | 0,0        |            | 0,5        |            |            | 10,0        |            | 0,0        | 3,0        |            |            | 3,0         | 13,0        | 8         |          | 21        | 0        |
| 63463D        | 6,0        | 0,0        | 4,0        | 2,0        | 0,5        | 1,0        | 0,0        | 1,0        |            | 0,5        |            |            | 15,0        | 5,5        | 2,0        | 4,0        |            |            | 11,5        | 26,5        | 5         | 1        | 33        | 2        |
| 63497W        | 5,0        | 0,0        | 4,0        | 1,0        | 0,0        | 0,0        | 1,0        | 0,0        | 0,0        | 1,0        | 0,0        | 0,0        | 12,0        |            | 4,0        | 2,5        | 4,0        | 3,5        | 14,0        | 26,0        | 8         | 1        | 35        | 2        |
| 63518B        | 5,5        |            | 2,0        |            | 0,0        | 1,0        | 1,0        | 0,0        | 0,0        | 0,5        | 0,0        | 0,0        | 10,0        |            |            |            |            |            | 0,0         | 10,0        | 3         |          | 13        | 0        |
| 63563K        | 6,0        | 0,0        | 2,0        | 5,0        | 0,0        | 1,0        | 1,0        | 0,0        | 1,0        | 0,5        | 0,0        | 0,0        | 16,5        | 3,0        | 2,5        | 3,0        | 3,5        | 0,0        | 12,0        | 28,5        | 10        | 1        | 40        | 3        |
| 63618H        | 6,0        | 0,0        | 2,5        | 3,0        | 0,0        | 0,0        | 0,0        | 0,0        | 0,0        | 0,5        | 0,0        | 2,0        | 14,0        | 1,5        | 0,5        | 4,0        | 4,0        | 1,0        | 11,0        | 25,0        | 7         | 1        | 33        | 2        |
| 63694H        | 4,0        |            | 4,0        | 6,0        | 0,0        | 1,0        | 0,0        | 1,0        |            | 0,5        | 2,5        | 1,5        | 20,5        | 1,0        | 0,5        | 3,0        |            |            | 4,5         | 25,0        | 8         | 1        | 34        | 2        |
| 63718N        | 5,0        | 0,5        | 4,0        | 4,0        | 0,5        | 0,5        | 0,0        | 0,0        | 0,0        | 0,5        | 2,0        | 1,5        | 18,5        | 4,0        | 4,0        | 3,0        | 4,5        | 0,0        | 15,5        | 34,0        | 10        | 1        | 45        | 4        |
| <b>63728C</b> | <b>6,0</b> |            | <b>3,0</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,5</b> | <b>0,0</b> | <b>0,0</b> | <b>13,5</b> | <b>2,0</b> | <b>6,0</b> | <b>1,0</b> |            |            | <b>15,0</b> | <b>28,5</b> | <b>8</b>  | <b>1</b> | <b>38</b> | <b>2</b> |
| 63746B        | 6,0        | 0,0        | 4,0        | 0,0        | 1,0        | 0,5        | 1,0        | 1,0        | 0,0        | 0,5        | 2,5        | 2,0        | 18,5        | 2,5        | 1,5        | 4,0        | 4,0        | 0,5        | 12,5        | 31,0        | 10        | 1        | 42        | 3        |
| 63756N        | 6,0        | 0,0        | 3,0        | 0,0        | 0,0        | 1,0        | 0,0        | 0,0        | 0,0        | 0,5        |            |            | 10,5        |            |            |            |            |            | 0,0         | 10,5        | 2         |          | 13        | 0        |
| 63757P        | 6,0        |            | 3,0        |            |            |            |            |            |            |            |            |            | 9,0         | 0,5        | 2,0        | 4,0        | 4,5        |            | 11,0        | 20,0        | 8         |          | 28        | 1        |
| 64324L        | 6,0        |            | 1,0        |            | 0,5        |            | 0,0        |            |            | 1,0        |            |            | 8,5         |            |            |            |            |            | 0,0         | 8,5         | 2         |          | 11        | 0        |
| 64327P        | 5,5        | 0,0        | 0,5        |            | 0,0        | 0,5        |            |            | 0,0        | 0,5        |            |            | 7,0         | 2,5        | 0,5        | 2,0        | 4,5        | 0,0        | 9,5         | 16,5        | 4         | 1        | 22        | 0        |
| <b>64378H</b> | <b>6,0</b> |            | <b>2,0</b> | <b>1,0</b> |            | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,5</b> | <b>1,5</b> | <b>16,5</b> | <b>3,0</b> | <b>6,0</b> | <b>5,0</b> |            |            | <b>23,0</b> | <b>39,5</b> | <b>5</b>  | <b>1</b> | <b>46</b> | <b>4</b> |
| 64384P        | 6,0        | 0,5        | 4,0        | 4,0        | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 0,5        | 2,0        | 2,0        | 23,5        | 2,0        | 1,5        | 4,0        | 4,5        |            | 12,0        | 35,5        | 9         | 1        | 46        | 4        |
| 64412C        | 5,5        |            | 3,5        | 3,0        | 0,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        |            |            | 17,0        | 4,5        | 2,0        | 5,5        | 4,5        | 0,0        | 16,5        | 33,5        | 9         | 1        | 44        | 3        |
| <b>64427V</b> | <b>6,0</b> |            | <b>4,0</b> | <b>1,0</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> |            |            | <b>0,5</b> | <b>2,0</b> | <b>1,0</b> | <b>16,5</b> | <b>2,0</b> | <b>6,0</b> | <b>6,0</b> |            |            | <b>23,0</b> | <b>39,5</b> | <b>10</b> | <b>1</b> | <b>51</b> | <b>4</b> |
| 64440N        | 4,0        |            | 3,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 2,0        | 1,5        | 17,5        | 4,0        | 2,0        | 3,0        | 4,0        | 0,0        | 13,0        | 30,5        | 8         | 1        | 40        | 3        |
| <b>64456K</b> | <b>4,5</b> | <b>0,5</b> | <b>2,5</b> |            | <b>0,5</b> | <b>1,0</b> |            | <b>0,5</b> | <b>0,5</b> | <b>0,0</b> | <b>1,5</b> | <b>2,0</b> | <b>13,5</b> | <b>2,0</b> | <b>5,0</b> | <b>2,0</b> |            |            | <b>15,0</b> | <b>28,5</b> | <b>8</b>  | <b>1</b> | <b>38</b> | <b>2</b> |
| 64519S        | 5,5        |            | 2,5        | 0,0        | 0,0        | 0,5        | 0,0        | 0,0        | 0,0        | 0,0        |            |            | 8,5         |            |            |            |            |            | 0,0         | 8,5         | 3         |          | 12        | 0        |
| <b>64520T</b> | <b>4,5</b> | <b>0,0</b> | <b>4,0</b> | <b>5,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,5</b> | <b>3,0</b> | <b>2,0</b> | <b>20,5</b> | <b>3,0</b> | <b>6,0</b> | <b>4,0</b> |            |            | <b>22,0</b> | <b>42,5</b> | <b>10</b> | <b>1</b> | <b>54</b> | <b>5</b> |
| 64542W        | 5,5        | 2,0        | 3,5        | 5,0        | 0,0        | 1,0        | 0,5        | 0,5        | 0,5        | 0,5        | 1,5        | 1,5        | 22,0        | 0,0        | 5,5        | 3,0        | 4,0        | 1,0        | 13,5        | 35,5        | 10        | 1        | 47        | 4        |
| 64642E        | 5,5        | 0,0        | 0,5        | 1,0        | 0,0        | 0,5        | 0,0        | 0,0        | 0,0        | 0,0        | 2,0        |            | 9,5         | 0,5        | 0,5        | 2,0        | 0,0        | 0,0        | 3,0         | 12,5        | 8         | 1        | 22        | 0        |
| 64658B        | 6,0        | 0,0        | 0,0        | 0,0        |            | 0,5        | 0,0        | 0,5        |            | 0,5        | 0,0        |            | 7,5         |            |            |            |            |            | 0,0         | 7,5         | 4         |          | 12        | 0        |
| 64672T        | 6,0        | 2,0        | 3,0        | 4,0        | 0,0        | 1,0        | 0,0        | 1,0        | 0,5        |            | 1,0        |            | 18,5        |            |            |            |            |            | 0,0         | 18,5        | 9         |          | 28        | 1        |
| <b>64676A</b> | <b>5,0</b> | <b>1,0</b> | <b>3,5</b> | <b>3,0</b> | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>1,0</b> | <b>2,5</b> | <b>18,5</b> | <b>4,0</b> | <b>6,0</b> | <b>6,0</b> |            |            | <b>27,0</b> | <b>45,5</b> | <b>10</b> |          | <b>56</b> | <b>5</b> |
| <b>64684K</b> | <b>5,0</b> | <b>0,5</b> | <b>3,0</b> |            | <b>0,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,0</b> |            | <b>1,0</b> |            | <b>1,5</b> | <b>13,5</b> | <b>1,0</b> | <b>6,0</b> | <b>5,0</b> |            |            | <b>20,0</b> | <b>33,5</b> | <b>10</b> | <b>1</b> | <b>45</b> | <b>4</b> |
| 64692U        | 6,0        |            | 4,0        |            | 0,0        | 0,5        | 0,0        | 1,0        | 0,5        | 1,0        | 3,0        | 3,0        | 19,0        | 3,0        | 0,5        | 4,0        | 1,0        |            | 8,5         | 27,5        | 10        | 1        | 39        | 3        |
| 64716C        | 6,0        | 0,5        | 3,5        | 0,0        | 0,0        | 0,5        | 0,0        | 0,0        | 1,0        | 1,0        | 0,5        | 2,0        | 15,0        | 5,0        | 0,0        | 6,0        | 5,5        | 0,0        | 16,5        | 31,5        | 7         | 1        | 40        | 3        |

|               |            |            |            |            |            |            |            |            |            |            |            |            |             |            |            |            |            |            |             |             |           |          |           |          |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|-----------|----------|-----------|----------|
| 64787U        | 6,0        | 1,0        | 4,0        | 6,0        | 0,0        | 1,0        | 0,5        | 1,0        | 0,0        | 0,5        | 1,0        | 2,0        | 23,0        | 5,0        | 6,0        | 4,0        | 6,0        | 2,0        | 23,0        | 46,0        | 10        | 1        | 57        | 5        |
| 64788V        | 6,0        | 0,5        | 4,0        | 6,0        | 0,0        | 1,0        | 0,0        | 1,0        |            | 0,5        | 0,0        | 3,0        | 22,0        | 1,5        | 4,0        | 6,0        | 6,0        | 0,0        | 17,5        | 39,5        | 10        | 1        | 51        | 4        |
| 64797J        | 6,0        | 0,5        | 3,5        | 6,0        | 0,0        | 1,0        | 1,0        | 0,0        | 1,0        | 0,5        | 2,5        | 2,5        | 24,5        | 4,0        | 6,0        | 6,0        | 6,0        | 5,0        | 27,0        | 51,5        | 10        | 1        | 63        | 5        |
| 64812D        | 6,0        | 0,5        | 4,0        | 1,0        | 1,0        | 1,0        | 0,0        | 1,0        | 1,0        | 1,0        | 3,0        | 2,5        | 22,0        | 3,0        | 4,5        | 6,0        | 2,5        | 3,0        | 19,0        | 41,0        | 10        | 1        | 52        | 5        |
| <b>64822R</b> | <b>5,0</b> | <b>0,0</b> | <b>4,0</b> | <b>4,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>2,0</b> | <b>1,0</b> | <b>19,0</b> | <b>1,5</b> | <b>1,5</b> | <b>4,0</b> | <b>5,0</b> | <b>1,5</b> | <b>13,5</b> | <b>32,5</b> | <b>10</b> | <b>1</b> | <b>44</b> | <b>3</b> |
| <b>64824T</b> | <b>5,5</b> | <b>0,5</b> | <b>4,0</b> |            | <b>0,5</b> | <b>1,0</b> | <b>1,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>2,0</b> | <b>2,5</b> | <b>17,5</b> | <b>4,0</b> | <b>6,0</b> | <b>1,0</b> |            |            | <b>18,0</b> | <b>35,5</b> | <b>10</b> | <b>1</b> | <b>47</b> | <b>4</b> |
| <b>64831D</b> | <b>5,5</b> | <b>0,0</b> |            | <b>5,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> | <b>1,0</b> |            | <b>0,0</b> | <b>1,5</b> | <b>2,5</b> | <b>16,0</b> | <b>1,0</b> | <b>6,0</b> | <b>1,0</b> |            |            | <b>13,0</b> | <b>29,0</b> | <b>10</b> | <b>1</b> | <b>40</b> | <b>3</b> |
| 64837L        | 6,0        | 2,0        | 3,5        | 4,0        | 1,0        | 1,0        | 0,0        | 1,0        |            | 1,0        | 2,0        | 0,0        | 21,5        | 3,0        | 6,0        | 6,0        | 4,5        | 4,0        | 23,5        | 45,0        | 10        | 1        | 56        | 5        |
| 64849C        | 4,0        |            | 3,0        | 0,0        | 0,0        | 1,0        | 0,0        |            |            | 0,0        | 0,0        | 0,0        | 8,0         | 0,0        | 1,0        | 0,0        | 0,0        |            | 1,0         | 9,0         | 4         |          | 13        | 0        |
| 64858N        | 5,5        | 2,0        | 4,0        | 1,0        | 0,0        | 0,5        | 0,0        | 0,0        | 0,0        | 0,0        |            |            | 13,0        | 0,5        | 1,0        | 3,0        | 4,5        | 0,0        | 9,0         | 22,0        | 10        | 1        | 33        | 2        |
| 64873J        | 6,0        |            | 4,0        |            |            |            |            |            |            |            |            |            | 10,0        | 0,5        | 0,0        | 5,0        | 0,0        | 2,0        | 7,5         | 17,5        | 3         | 1        | 22        | 0        |
| 64977U        | 6,0        | 2,0        | 3,5        | 6,0        | 1,0        | 1,0        | 1,0        | 0,0        | 0,0        | 1,0        | 2,0        | 2,5        | 26,0        | 4,5        | 2,0        | 6,0        | 6,0        | 3,5        | 22,0        | 48,0        | 10        | 1        | 59        | 5        |
| 64979W        | 5,5        |            | 3,0        |            |            |            |            |            |            |            |            |            | 8,5         | 0,5        | 0,0        | 3,0        | 0,0        |            | 3,5         | 12,0        | 6         |          | 18        | 0        |
| <b>64981B</b> | <b>6,0</b> | <b>2,0</b> | <b>4,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,5</b> | <b>0,5</b> | <b>1,0</b> |            | <b>1,0</b> | <b>1,5</b> | <b>1,5</b> | <b>19,0</b> | <b>4,0</b> | <b>6,0</b> | <b>5,0</b> |            |            | <b>25,0</b> | <b>44,0</b> | <b>7</b>  | <b>1</b> | <b>52</b> | <b>5</b> |
| 64984E        | 6,0        | 0,0        | 2,5        | 0,0        | 0,0        | 0,0        | 0,0        |            |            | 0,0        | 0,0        |            | 8,5         | 1,0        | 0,5        | 4,0        | 0,0        |            | 5,5         | 14,0        | 6         |          | 20        | 0        |
| 64985F        | 5,5        |            | 3,0        |            | 1,0        |            | 0,5        |            | 0,5        | 0,0        |            |            | 10,5        |            |            |            |            |            | 0,0         | 10,5        | 3         |          | 14        | 0        |
| <b>64991N</b> | <b>5,0</b> |            | <b>1,0</b> |            | <b>0,0</b> | <b>1,0</b> | <b>0,0</b> |            |            | <b>0,5</b> |            |            | <b>7,5</b>  | <b>2,0</b> | <b>6,0</b> | <b>0,0</b> |            |            | <b>13,0</b> | <b>20,5</b> | <b>8</b>  | <b>1</b> | <b>30</b> | <b>1</b> |
| 65001C        | 6,0        | 0,0        | 4,0        |            |            | 1,0        | 1,0        | 1,0        | 1,0        | 0,5        | 3,0        | 3,0        | 20,5        | 1,5        | 1,0        | 4,0        | 1,0        | 3,0        | 10,5        | 31,0        | 7         | 1        | 39        | 3        |
| 65024H        | 1,5        | 0,0        | 3,0        |            | 0,0        |            | 0,0        |            |            |            |            |            | 4,5         |            |            |            |            |            | 0,0         | 4,5         | 6         |          | 11        | 0        |
| 65032S        | 6,0        |            | 2,5        |            |            | 0,5        |            | 0,0        |            | 0,0        | 2,0        | 0,0        | 11,0        | 0,5        | 1,0        | 4,0        | 4,5        | 0,0        | 10,0        | 21,0        | 10        | 1        | 32        | 1        |
| <b>65069R</b> | <b>6,0</b> | <b>0,0</b> | <b>4,0</b> | <b>0,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,5</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>2,5</b> | <b>2,5</b> | <b>17,0</b> | <b>3,0</b> | <b>6,0</b> | <b>6,0</b> |            |            | <b>25,0</b> | <b>42,0</b> | <b>10</b> | <b>1</b> | <b>53</b> | <b>5</b> |
| 65070S        | 6,0        | 0,5        | 3,0        | 1,0        |            | 1,0        |            | 0,5        |            | 0,0        |            |            | 12,0        | 2,0        | 6,0        | 3,0        | 1,0        | 0,5        | 12,5        | 24,5        | 10        | 1        | 36        | 2        |
| <b>65075A</b> | <b>6,0</b> |            | <b>3,5</b> | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> | <b>1,0</b> |            | <b>0,0</b> | <b>0,0</b> |            |            | <b>11,0</b> | <b>0,0</b> | <b>5,0</b> | <b>0,0</b> |            |            | <b>8,0</b>  | <b>19,0</b> | <b>10</b> | <b>1</b> | <b>30</b> | <b>1</b> |
| 65120J        | 6,0        | 0,0        | 3,0        |            | 0,0        |            | 0,0        |            | 0,0        |            | 0,0        |            | 9,0         |            |            |            |            |            | 0,0         | 9,0         | 5         |          | 14        | 0        |
| <b>65121K</b> | <b>5,0</b> |            | <b>0,5</b> |            | <b>0,5</b> | <b>0,5</b> | <b>0,0</b> | <b>0,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,0</b> |            | <b>7,0</b>  | <b>2,0</b> | <b>6,0</b> | <b>0,0</b> |            |            | <b>13,0</b> | <b>20,0</b> | <b>8</b>  | <b>1</b> | <b>29</b> | <b>1</b> |
| 65190B        | 6,0        | 2,0        | 3,5        | 2,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 1,0        | 2,0        | 3,0        | 24,5        | 5,0        | 6,0        | 6,0        | 6,0        | 2,5        | 25,5        | 50,0        | 10        | 1        | 61        | 5        |
| 65208A        | 6,0        | 1,0        | 1,0        |            | 0,0        | 0,0        | 0,0        | 0,0        | 0,0        | 0,0        | 1,5        |            | 9,5         |            |            |            |            |            | 0,0         | 9,5         | 6         |          | 16        | 0        |
| 66508K        | 6,0        | 1,5        | 4,0        | 6,0        | 1,0        | 1,0        | 1,0        | 0,0        | 1,0        | 1,0        | 1,0        | 2,5        | 26,0        | 4,0        | 3,0        | 2,5        | 6,0        | 0,0        | 15,5        | 41,5        | 10        | 1        | 53        | 5        |
| 66535U        | 4,0        |            | 0,5        |            |            |            |            |            |            |            |            |            | 4,5         |            |            |            |            |            | 0,0         | 4,5         | 2         |          | 7         | 0        |
| <b>66562F</b> | <b>6,0</b> | <b>0,0</b> | <b>3,5</b> | <b>2,0</b> | <b>0,0</b> | <b>0,5</b> | <b>0,5</b> |            | <b>1,0</b> | <b>0,5</b> | <b>2,5</b> | <b>2,0</b> | <b>18,5</b> | <b>1,0</b> | <b>6,0</b> | <b>1,0</b> |            |            | <b>13,0</b> | <b>31,5</b> | <b>10</b> |          | <b>42</b> | <b>3</b> |
| 66597C        | 6,0        | 0,5        | 4,0        | 6,0        | 0,0        | 1,0        | 1,0        | 1,0        | 0,0        | 0,5        | 2,0        | 3,0        | 25,0        | 4,5        | 6,0        | 4,0        | 6,0        | 4,5        | 25,0        | 50,0        | 10        | 1        | 61        | 5        |
| <b>66617D</b> | <b>5,0</b> | <b>1,0</b> | <b>3,5</b> |            | <b>0,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>2,0</b> | <b>3,0</b> | <b>19,5</b> | <b>5,0</b> | <b>6,0</b> | <b>6,0</b> |            |            | <b>28,0</b> | <b>47,5</b> | <b>9</b>  |          | <b>57</b> | <b>5</b> |
| <b>66745V</b> | <b>5,5</b> | <b>1,5</b> | <b>4,0</b> | <b>2,0</b> | <b>1,0</b> | <b>0,5</b> | <b>1,0</b> | <b>1,0</b> |            | <b>0,5</b> | <b>2,5</b> | <b>2,5</b> | <b>22,0</b> | <b>3,0</b> | <b>6,0</b> | <b>6,0</b> |            |            | <b>25,0</b> | <b>47,0</b> | <b>10</b> | <b>1</b> | <b>58</b> | <b>5</b> |
| 66765W        | 5,5        |            | 4,0        |            | 0,5        | 0,0        | 0,0        | 1,0        | 0,0        | 0,5        |            |            | 11,5        | 1,5        |            | 6,0        | 0,0        | 1,0        | 8,5         | 20,0        | 7         | 1        | 28        | 1        |
| 66832L        | 6,0        | 0,0        | 3,0        | 0,0        | 0,0        | 1,0        | 1,0        | 1,0        | 0,5        | 1,0        |            | 1,5        | 15,0        | 1,5        | 0,5        | 3,0        | 1,0        | 1,5        | 7,5         | 22,5        | 8         | 1        | 32        | 1        |
| 66924H        | 5,5        | 0,0        | 4,0        |            |            |            |            |            |            |            | 0,0        |            | 9,5         |            | 0,5        | 3,0        |            |            | 3,5         | 13,0        | 6         |          | 19        | 0        |

|               |            |            |            |            |            |            |            |            |     |            |            |            |             |            |            |            |     |     |             |             |           |          |     |      |     |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|------------|------------|------------|-------------|------------|------------|------------|-----|-----|-------------|-------------|-----------|----------|-----|------|-----|
| 66964K        | 5,5        | 2,0        | 2,5        | 3,0        | 1,0        | 1,0        | 1,0        | 0,5        | 0,0 | 0,5        | 3,0        | 2,5        | 22,5        | 4,5        | 6,0        | 6,0        | 6,0 | 4,5 | 27,0        | 49,5        | 9         | 1        | 60  | 5    |     |
| <b>67006P</b> | <b>5,5</b> | <b>2,0</b> | <b>3,5</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> | <b>1,0</b> |     | <b>0,5</b> |            | <b>1,5</b> | <b>18,0</b> | <b>3,0</b> | <b>6,0</b> | <b>4,0</b> |     |     | <b>22,0</b> | <b>40,0</b> | <b>10</b> | <b>1</b> | 51  | 4    |     |
| 67009T        | 6,0        | 0,0        | 3,5        | 0,0        | 0,0        | 0,5        | 1,0        | 0,5        | 0,5 | 0,5        |            |            | 12,5        | 1,0        | 6,0        | 3,0        | 0,5 |     | 10,5        | 23,0        | 8         | 1        | 32  | 1    |     |
| 67054D        | 5,0        | 0,5        | 4,0        | 3,0        | 0,0        |            | 0,0        |            | 0,0 |            |            |            | 12,5        | 1,0        | 5,0        | 6,0        | 4,0 | 2,0 | 18,0        | 30,5        | 7         | 1        | 39  | 3    |     |
| 67130D        | 6,0        | 0,5        | 4,0        | 6,0        | 0,5        | 1,0        | 0,0        | 1,0        | 1,0 | 0,5        | 2,5        | 2,0        | 25,0        | 3,5        | 6,0        | 2,5        | 6,0 | 0,0 | 18,0        | 43,0        | 10        | 1        | 54  | 5    |     |
| 67131E        | 5,0        | 1,5        | 3,5        | 6,0        | 0,5        | 1,0        | 1,0        | 1,0        | 1,0 | 0,5        |            | 1,0        | 22,0        | 3,0        | 1,0        | 3,0        | 5,5 | 1,5 | 14,0        | 36,0        | 9         | 1        | 46  | 4    |     |
| 67138N        | 6,0        | 0,5        | 4,0        | 1,0        | 0,0        | 1,0        | 0,0        | 0,0        | 0,0 | 0,5        |            | 0,0        | 13,0        | 2,0        | 6,0        | 4,0        | 4,0 | 0,0 | 16,0        | 29,0        | 4         | 1        | 34  | 2    |     |
| 67224C        | 6,0        | 1,5        | 4,0        | 6,0        | 0,0        | 1,0        | 1,0        | 1,0        | 1,0 | 0,5        | 2,0        | 3,0        | 27,0        | 5,0        | 6,0        | 6,0        | 2,0 |     | 19,0        | 46,0        | 10        | 1        | 57  | 5    |     |
| <b>67260A</b> | <b>5,5</b> |            | <b>3,5</b> |            |            |            | <b>0,5</b> |            |     |            |            |            | <b>9,5</b>  | <b>0,0</b> | <b>5,0</b> | <b>3,0</b> |     |     | <b>13,0</b> | <b>22,5</b> | <b>10</b> | <b>1</b> | 34  | 2    |     |
| 67329P        | 6,0        | 1,5        | 3,5        |            | 1,0        | 0,5        | 0,0        | 1,0        |     | 0,5        |            | 0,5        | 14,5        | 4,0        | 0,5        | 3,5        | 6,0 | 2,0 | 16,0        | 30,5        | 7         | 1        | 39  | 3    |     |
| 67467V        | 6,0        | 1,0        | 3,5        | 6,0        | 0,5        | 1,0        | 1,0        | 1,0        |     | 1,0        | 3,0        | 2,0        | 26,0        | 5,0        | 3,0        | 6,0        | 5,5 | 4,5 | 24,0        | 50,0        | 8         |          | 58  | 5    |     |
| 67504U        | 6,0        | 2,0        | 4,0        | 3,0        | 0,0        | 0,5        | 0,0        |            | 0,0 | 0,0        | 0,0        |            | 15,5        | 1,5        | 1,5        | 4,0        | 0,0 | 0,0 | 7,0         | 22,5        | 7         |          | 30  | 1    |     |
| <b>67508B</b> | <b>5,0</b> | <b>1,0</b> | <b>3,0</b> | <b>1,0</b> | <b>0,0</b> | <b>0,0</b> | <b>1,0</b> | <b>0,0</b> |     | <b>0,5</b> | <b>0,5</b> | <b>2,0</b> | <b>14,0</b> | <b>0,0</b> | <b>2,0</b> | <b>3,0</b> |     |     | <b>8,0</b>  | <b>22,0</b> | <b>10</b> | <b>1</b> | 33  | 2    |     |
| 67571J        | 4,5        | 2,0        | 4,0        | 5,0        | 1,0        | 0,0        | 0,0        | 0,0        | 0,5 | 1,0        |            |            | 18,0        | 6,0        | 6,0        | 4,0        | 1,0 | 4,5 | 21,5        | 39,5        | 5         |          | 45  | 4    |     |
| 67596R        | 3,5        | 2,0        | 3,5        | 3,0        | 0,0        | 1,0        | 0,0        | 0,5        | 1,0 | 1,0        | 0,0        | 0,0        | 15,5        | 1,0        | 3,0        | 6,0        | 2,0 | 0,0 | 12,0        | 27,5        | 10        | 1        | 39  | 3    |     |
| 67600V        | 5,0        | 2,0        | 4,0        | 3,0        | 0,0        | 1,0        | 1,0        | 0,5        | 1,0 | 1,0        | 2,0        | 3,0        | 23,5        | 4,5        | 1,5        | 6,0        | 4,5 |     | 16,5        | 40,0        | 10        | 1        | 51  | 4    |     |
| 67632N        | 1,0        | 0,5        | 3,0        | 1,0        | 1,0        | 0,5        | 0,0        | 1,0        | 0,5 | 0,0        | 0,0        | 0,0        | 8,5         |            |            |            |     |     | 0,0         | 8,5         | 5         | 1        | 15  | 0    |     |
| 67748R        | 5,5        | 0,5        | 4,0        | 0,0        | 0,0        | 0,5        |            |            | 0,5 | 0,0        |            | 0,0        | 11,0        | 1,5        | 0,5        | 4,0        | 4,0 | 0,0 | 10,0        | 21,0        | 8         | 1        | 30  | 1    |     |
| 69293A        | 6,0        |            | 2,0        |            | 0,5        | 0,5        | 0,0        | 0,0        | 0,0 | 0,0        |            |            | 9,0         | 0,5        | 0,0        | 3,0        |     |     | 3,5         | 12,5        | 4         | 1        | 18  | 0    |     |
| 69326S        | 4,5        |            | 3,5        | 0,0        | 0,0        | 0,5        | 0,0        | 1,0        | 0,0 | 0,0        |            |            | 9,5         | 3,0        |            | 4,0        | 3,0 | 0,0 | 10,0        | 19,5        | 9         | 1        | 30  | 1    |     |
| 69898U        | 6,0        | 0,0        | 3,5        | 0,0        | 0,0        | 0,0        | 0,0        | 0,5        | 0,5 | 0,0        | 1,5        | 1,0        | 13,0        | 0,5        | 4,0        | 1,0        | 1,0 | 2,0 | 8,5         | 21,5        | 8         |          | 30  | 1    |     |
|               |            |            |            |            |            |            |            |            |     |            |            |            | 15,4        |            |            |            |     |     |             | 12,1        | 27,4      | 7,7      | 116 | 36,1 | 2,3 |

Välikokokeen uusinnassa parenataneet on boldattu.

Jos tulos ei parantunut, rivi on lisäksi kursivilla.

Uusintojen tulokset on skaalattu tekijällä 5/3.

| Arvosanan pisteraja | Arvosana | Lukumäärä |
|---------------------|----------|-----------|
| 0                   | 0        | 35        |
| 26                  | 1        | 28        |
| 33                  | 2        | 23        |
| 39                  | 3        | 24        |
| 45                  | 4        | 18        |
| 52                  | 5        | 28        |



