

## APPENDICE 2 – LE TABELLE CON GLI ESITI



*Nota.* Spesso abbrevieremo "47/48" con "47" (i quesiti specifici per le due classi erano gli stessi).

**1. Quesiti comuni all'indirizzo scientifico** (a Udine, poiché i candidati alla sola classe 59 erano nell'indirizzo di Scienze Naturali, questi quesiti hanno coinvolto solo le classi 47, 48 e 49)

| 1-1) comuni, TOTALE, 90 persone |    |    |    |    |    |    |      |
|---------------------------------|----|----|----|----|----|----|------|
| que.                            | A  | B  | C  | D  | E  | -  | punt |
| 1                               | 7  | 7  | 6  | 17 | 38 | 27 | .2   |
| 2                               | 8  | 61 | 3  | 0  | 18 | 10 | 5.4  |
| 3                               | 4  | 23 | 3  | 58 | 3  | 8  | 4.9  |
| 4                               | 1  | 76 | 1  | 11 | 4  | 7  | 7.1  |
| 5                               | 67 | 6  | 0  | 9  | 3  | 16 | 6.2  |
| 6                               | 3  | 28 | 21 | 3  | 0  | 44 | 1.2  |
| 7                               | 20 | 7  | 30 | 14 | 1  | 28 | 1.9  |
| 8                               | 36 | 14 | 3  | 10 | 3  | 33 | .1   |
| 9                               | 0  | 80 | 3  | 1  | 1  | 14 | 7.9  |
| 10                              | 14 | 28 | 24 | 4  | 3  | 26 | 1.2  |
| 11                              | 1  | 50 | 1  | 10 | 6  | 32 | 4.6  |
| 12                              | 1  | 51 | 1  | 9  | 16 | 22 | 4.4  |
| 13                              | 7  | 12 | 23 | 6  | 32 | 20 | -.5  |
| 14                              | 3  | 16 | 7  | 12 | 30 | 32 | 2.1  |
| 15                              | 44 | 10 | 3  | 2  | 0  | 40 | 4.1  |
| 16                              | 10 | 11 | 7  | 49 | 9  | 14 | 4    |
| 17                              | 6  | 0  | 0  | 76 | 9  | 10 | 7.2  |
| 18                              | 1  | 3  | 1  | 4  | 81 | 9  | 7.9  |
| 19                              | 1  | 2  | 62 | 9  | 6  | 20 | 5.8  |
| 20                              | 1  | 89 | 0  | 1  | 0  | 9  | 8.8  |
| medie: % OK: 50, punteggio: 4.2 |    |    |    |    |    |    |      |

| 1-2) comuni, GE, 43 persone     |    |    |    |    |    |    |      |
|---------------------------------|----|----|----|----|----|----|------|
| que.                            | A  | B  | C  | D  | E  | -  | punt |
| 1                               | 7  | 12 | 5  | 16 | 44 | 16 | -.1  |
| 2                               | 7  | 63 | 5  | 0  | 14 | 12 | 5.6  |
| 3                               | 2  | 30 | 2  | 56 | 5  | 5  | 4.6  |
| 4                               | 0  | 77 | 0  | 14 | 5  | 5  | 7.2  |
| 5                               | 77 | 2  | 0  | 2  | 5  | 14 | 7.4  |
| 6                               | 7  | 33 | 21 | 5  | 0  | 35 | 1    |
| 7                               | 30 | 7  | 33 | 14 | 0  | 16 | 2    |
| 8                               | 47 | 14 | 5  | 9  | 2  | 23 | -.2  |
| 9                               | 0  | 79 | 0  | 2  | 2  | 16 | 7.8  |
| 10                              | 9  | 44 | 16 | 7  | 2  | 21 | .1   |
| 11                              | 2  | 44 | 2  | 9  | 9  | 33 | 3.8  |
| 12                              | 0  | 47 | 2  | 9  | 19 | 23 | 3.9  |
| 13                              | 2  | 12 | 26 | 5  | 44 | 12 | -.8  |
| 14                              | 7  | 16 | 7  | 12 | 37 | 21 | 2.7  |
| 15                              | 58 | 9  | 7  | 2  | 0  | 23 | 5.3  |
| 16                              | 16 | 12 | 5  | 47 | 9  | 12 | 3.6  |
| 17                              | 9  | 0  | 0  | 72 | 12 | 7  | 6.7  |
| 18                              | 2  | 5  | 2  | 2  | 79 | 9  | 7.6  |
| 19                              | 0  | 2  | 65 | 9  | 2  | 21 | 6.2  |
| 20                              | 0  | 93 | 0  | 2  | 0  | 5  | 9.2  |
| medie: % OK: 50, punteggio: 4.2 |    |    |    |    |    |    |      |

| 1-3) comuni, TN, 23 persone     |    |    |    |    |    |    |      |
|---------------------------------|----|----|----|----|----|----|------|
| que.                            | A  | B  | C  | D  | E  | -  | punt |
| 1                               | 13 | 0  | 13 | 22 | 26 | 26 | .9   |
| 2                               | 0  | 57 | 4  | 0  | 26 | 13 | 4.9  |
| 3                               | 9  | 17 | 4  | 52 | 4  | 13 | 4.3  |
| 4                               | 0  | 74 | 4  | 0  | 9  | 13 | 7.1  |
| 5                               | 39 | 13 | 0  | 22 | 4  | 22 | 2.9  |
| 6                               | 0  | 26 | 9  | 0  | 0  | 65 | .2   |
| 7                               | 0  | 9  | 30 | 17 | 4  | 39 | 2.3  |
| 8                               | 35 | 22 | 4  | 4  | 0  | 35 | 1.1  |
| 9                               | 0  | 91 | 0  | 0  | 0  | 9  | 9.1  |
| 10                              | 30 | 9  | 22 | 0  | 9  | 30 | 1    |
| 11                              | 0  | 74 | 0  | 4  | 4  | 17 | 7.2  |
| 12                              | 0  | 65 | 0  | 9  | 4  | 22 | 6.2  |
| 13                              | 9  | 4  | 22 | 9  | 30 | 26 | -1.3 |
| 14                              | 0  | 9  | 0  | 17 | 17 | 57 | 1.1  |
| 15                              | 22 | 9  | 0  | 4  | 0  | 65 | 1.8  |
| 16                              | 4  | 4  | 13 | 43 | 9  | 26 | 3.6  |
| 17                              | 0  | 0  | 0  | 78 | 4  | 17 | 7.7  |
| 18                              | 0  | 4  | 0  | 9  | 78 | 9  | 7.5  |
| 19                              | 4  | 0  | 61 | 9  | 13 | 13 | 5.4  |
| 20                              | 4  | 78 | 0  | 0  | 0  | 17 | 7.7  |
| medie: % OK: 47, punteggio: 4.0 |    |    |    |    |    |    |      |

| 1-4) comuni, UD, 24 persone     |    |    |    |    |    |    |      |
|---------------------------------|----|----|----|----|----|----|------|
| que.                            | A  | B  | C  | D  | E  | -  | punt |
| 1                               | 0  | 4  | 0  | 13 | 38 | 46 | .2   |
| 2                               | 17 | 63 | 0  | 0  | 17 | 4  | 5.4  |
| 3                               | 4  | 17 | 4  | 67 | 0  | 8  | 6    |
| 4                               | 4  | 75 | 0  | 17 | 0  | 4  | 7    |
| 5                               | 75 | 4  | 0  | 8  | 0  | 13 | 7.2  |
| 6                               | 0  | 21 | 33 | 4  | 0  | 42 | 2.7  |
| 7                               | 21 | 4  | 25 | 13 | 0  | 38 | 1.6  |
| 8                               | 17 | 8  | 0  | 17 | 8  | 50 | -.2  |
| 9                               | 0  | 71 | 13 | 0  | 0  | 17 | 6.8  |
| 10                              | 8  | 17 | 42 | 4  | 0  | 29 | 3.4  |
| 11                              | 0  | 38 | 0  | 17 | 0  | 46 | 3.3  |
| 12                              | 4  | 46 | 0  | 8  | 21 | 21 | 3.7  |
| 13                              | 13 | 21 | 21 | 4  | 13 | 29 | .8   |
| 14                              | 0  | 21 | 13 | 8  | 29 | 29 | 1.9  |
| 15                              | 42 | 13 | 0  | 0  | 0  | 46 | 3.9  |
| 16                              | 4  | 17 | 4  | 58 | 8  | 8  | 5    |
| 17                              | 4  | 0  | 0  | 79 | 8  | 8  | 7.6  |
| 18                              | 0  | 0  | 0  | 4  | 88 | 8  | 8.6  |
| 19                              | 0  | 4  | 58 | 8  | 4  | 25 | 5.4  |
| 20                              | 0  | 92 | 0  | 0  | 0  | 8  | 9.2  |
| medie: % OK: 51, punteggio: 4.5 |    |    |    |    |    |    |      |

| 1-5) comuni, matematici, 35 persone |    |    |    |    |    |    |      |
|-------------------------------------|----|----|----|----|----|----|------|
| que.                                | A  | B  | C  | D  | E  | -  | punt |
| 1                                   | 3  | 6  | 6  | 3  | 34 | 49 | -.9  |
| 2                                   | 11 | 60 | 9  | 0  | 20 | 0  | 5    |
| 3                                   | 6  | 20 | 0  | 66 | 3  | 6  | 5.9  |
| 4                                   | 3  | 77 | 3  | 9  | 3  | 6  | 7.3  |
| 5                                   | 60 | 3  | 0  | 17 | 0  | 20 | 5.5  |
| 6                                   | 3  | 26 | 17 | 3  | 0  | 51 | .9   |
| 7                                   | 14 | 3  | 17 | 11 | 0  | 54 | 1    |
| 8                                   | 20 | 6  | 3  | 11 | 6  | 54 | -.4  |
| 9                                   | 0  | 83 | 0  | 3  | 0  | 14 | 8.2  |
| 10                                  | 23 | 20 | 23 | 3  | 0  | 31 | 1.1  |
| 11                                  | 0  | 54 | 0  | 6  | 3  | 37 | 5.2  |
| 12                                  | 0  | 54 | 0  | 9  | 14 | 23 | 4.9  |
| 13                                  | 9  | 9  | 29 | 0  | 26 | 29 | -.7  |
| 14                                  | 3  | 23 | 11 | 11 | 14 | 37 | .2   |
| 15                                  | 34 | 9  | 3  | 0  | 0  | 54 | 3.1  |
| 16                                  | 3  | 20 | 3  | 43 | 9  | 23 | 3.4  |
| 17                                  | 3  | 0  | 0  | 71 | 6  | 20 | 6.9  |
| 18                                  | 0  | 3  | 0  | 9  | 77 | 11 | 7.4  |
| 19                                  | 3  | 3  | 46 | 14 | 3  | 31 | 4    |
| 20                                  | 3  | 83 | 0  | 0  | 0  | 14 | 8.2  |
| medie: % OK: 45, punteggio: 3.8     |    |    |    |    |    |    |      |

| 1-6) comuni, fisici, 8 persone  |    |     |    |     |    |    |      |
|---------------------------------|----|-----|----|-----|----|----|------|
| que.                            | A  | B   | C  | D   | E  | -  | punt |
| 1                               | 0  | 13  | 0  | 63  | 25 | 0  | 5.3  |
| 2                               | 0  | 88  | 0  | 0   | 0  | 13 | 8.8  |
| 3                               | 0  | 50  | 0  | 38  | 0  | 13 | 2.5  |
| 4                               | 0  | 100 | 0  | 0   | 0  | 0  | 10   |
| 5                               | 75 | 0   | 0  | 13  | 0  | 13 | 7.2  |
| 6                               | 13 | 25  | 25 | 0   | 0  | 38 | 1.6  |
| 7                               | 38 | 0   | 38 | 25  | 0  | 0  | 2.2  |
| 8                               | 13 | 75  | 0  | 0   | 0  | 13 | 7.2  |
| 9                               | 0  | 100 | 0  | 0   | 0  | 0  | 10   |
| 10                              | 0  | 38  | 50 | 0   | 0  | 13 | 4.1  |
| 11                              | 0  | 100 | 0  | 0   | 0  | 0  | 10   |
| 12                              | 0  | 88  | 0  | 0   | 13 | 0  | 8.4  |
| 13                              | 13 | 25  | 38 | 0   | 13 | 13 | .9   |
| 14                              | 0  | 38  | 13 | 0   | 13 | 38 | 0    |
| 15                              | 50 | 0   | 0  | 0   | 0  | 50 | 5    |
| 16                              | 0  | 0   | 13 | 75  | 0  | 13 | 7.2  |
| 17                              | 0  | 0   | 0  | 100 | 0  | 0  | 10   |
| 18                              | 0  | 0   | 0  | 13  | 88 | 0  | 8.4  |
| 19                              | 0  | 0   | 88 | 13  | 0  | 0  | 8.4  |
| 20                              | 0  | 88  | 0  | 0   | 0  | 13 | 8.8  |
| medie: % OK: 68, punteggio: 6.3 |    |     |    |     |    |    |      |

| 1-7) comuni, bio/geo/nat/amb, 27 p. |    |    |    |    |    |    |  |
|-------------------------------------|----|----|----|----|----|----|--|
| ques                                | A  | B  | C  | D  | E  | -  |  |
| 1                                   | 15 | 11 | 7  | 15 | 41 | 11 |  |
| 2                                   | 4  | 48 | 0  | 0  | 26 | 22 |  |
| 3                                   | 4  | 22 | 4  | 52 | 7  | 11 |  |
| 4                                   | 0  | 70 | 0  | 15 | 4  | 11 |  |
| 5                                   | 67 | 0  | 0  | 4  | 7  | 22 |  |
| 6                                   | 4  | 37 | 19 | 7  | 0  | 33 |  |
| 7                                   | 26 | 11 | 33 | 22 | 4  | 4  |  |
| 8                                   | 52 | 4  | 7  | 11 | 4  | 22 |  |
| 9                                   | 0  | 81 | 0  | 0  | 4  | 15 |  |
| 10                                  | 7  | 33 | 15 | 11 | 7  | 26 |  |
| 11                                  | 0  | 30 | 4  | 19 | 7  | 41 |  |
| 12                                  | 0  | 44 | 4  | 7  | 15 | 30 |  |
| 13                                  | 0  | 7  | 15 | 11 | 44 | 22 |  |
| 14                                  | 7  | 4  | 4  | 19 | 44 | 22 |  |
| 15                                  | 48 | 11 | 7  | 4  | 0  | 30 |  |
| 16                                  | 22 | 7  | 7  | 44 | 11 | 7  |  |
| 17                                  | 11 | 0  | 0  | 70 | 11 | 7  |  |
| 18                                  | 0  | 7  | 4  | 0  | 78 | 11 |  |
| 19                                  | 0  | 4  | 67 | 0  | 11 | 19 |  |
| 20                                  | 0  | 89 | 0  | 4  | 0  | 7  |  |
| medie: % OK: 47, punteggio: 4       |    |    |    |    |    |    |  |

| 1-8) comuni, ing/eco/sta/inf, 11 p. |    |     |    |    |     |    |  |
|-------------------------------------|----|-----|----|----|-----|----|--|
| ques                                | A  | B   | C  | D  | E   | -  |  |
| 1                                   | 0  | 0   | 0  | 18 | 64  | 18 |  |
| 2                                   | 0  | 82  | 0  | 0  | 9   | 9  |  |
| 3                                   | 0  | 27  | 9  | 64 | 0   | 0  |  |
| 4                                   | 0  | 91  | 0  | 9  | 0   | 0  |  |
| 5                                   | 91 | 9   | 0  | 0  | 0   | 0  |  |
| 6                                   | 0  | 18  | 36 | 0  | 0   | 45 |  |
| 7                                   | 27 | 9   | 45 | 9  | 0   | 9  |  |
| 8                                   | 45 | 18  | 0  | 18 | 0   | 18 |  |
| 9                                   | 0  | 55  | 27 | 0  | 0   | 18 |  |
| 10                                  | 0  | 36  | 36 | 0  | 0   | 27 |  |
| 11                                  | 0  | 55  | 0  | 18 | 9   | 18 |  |
| 12                                  | 9  | 36  | 0  | 9  | 36  | 9  |  |
| 13                                  | 9  | 27  | 18 | 9  | 27  | 9  |  |
| 14                                  | 0  | 9   | 0  | 9  | 55  | 27 |  |
| 15                                  | 73 | 18  | 0  | 0  | 0   | 9  |  |
| 16                                  | 0  | 18  | 9  | 64 | 9   | 0  |  |
| 17                                  | 0  | 0   | 0  | 82 | 18  | 0  |  |
| 18                                  | 0  | 0   | 0  | 0  | 100 | 0  |  |
| 19                                  | 0  | 0   | 73 | 18 | 0   | 9  |  |
| 20                                  | 0  | 100 | 0  | 0  | 0   | 0  |  |
| medie: % OK: 60, punteggio: 5       |    |     |    |    |     |    |  |

## 2. Quesiti specifici per la classe 59 – Scienze matematiche, chimiche, fisiche e naturali per la scuola media

| 2-1) classe 59, 72 persone |           |           |           |           |           |    |      |
|----------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                       | A         | B         | C         | D         | E         | -  | punt |
| 1                          | 1         | 3         | <b>33</b> | 3         | 26        | 33 | 2.5  |
| 2                          | 22        | <b>65</b> | 0         | 0         | 4         | 8  | 5.9  |
| 3                          | 1         | 4         | <b>76</b> | 8         | 1         | 8  | 7.3  |
| 4                          | 6         | <b>92</b> | 3         | 0         | 0         | 0  | 9    |
| 5                          | 0         | <b>86</b> | 4         | 6         | 1         | 3  | 8.3  |
| 6                          | 1         | <b>78</b> | 1         | 1         | 8         | 10 | 7.5  |
| 7                          | 47        | <b>32</b> | 4         | 7         | 3         | 7  | 1.7  |
| 8                          | 1         | 4         | 7         | 0         | <b>76</b> | 11 | 7.3  |
| 9                          | 4         | 21        | 14        | 3         | <b>40</b> | 18 | 3    |
| 10                         | 3         | 6         | 24        | <b>22</b> | 1         | 44 | 1.4  |
| 11                         | 4         | 3         | <b>86</b> | 6         | 0         | 1  | 8.3  |
| 12                         | 11        | 8         | 15        | 21        | <b>29</b> | 15 | 1.5  |
| 13                         | 8         | 0         | 3         | 10        | <b>68</b> | 11 | 6.3  |
| 14                         | 6         | 14        | 1         | 6         | <b>51</b> | 22 | 4.5  |
| 15                         | 0         | 1         | 3         | <b>46</b> | 0         | 50 | 4.5  |
| 16                         | 3         | 0         | 17        | <b>74</b> | 3         | 4  | 6.8  |
| 17                         | 14        | <b>36</b> | 0         | 4         | 11        | 35 | 2.9  |
| 18                         | 0         | <b>54</b> | 0         | 7         | 4         | 35 | 5.1  |
| 19                         | 4         | <b>71</b> | 14        | 0         | 1         | 10 | 6.6  |
| 20                         | 7         | <b>19</b> | 14        | 33        | 1         | 25 | .6   |
| 21                         | 4         | 8         | <b>74</b> | 0         | 0         | 14 | 7    |
| 22                         | <b>46</b> | 0         | 1         | 1         | 19        | 32 | 4    |
| 23                         | 19        | 1         | <b>65</b> | 1         | 0         | 13 | 6    |
| 24                         | 14        | 1         | 10        | 10        | <b>51</b> | 14 | 4.3  |
| 25                         | 1         | 8         | 0         | <b>81</b> | 0         | 10 | 7.8  |

|                                         |           |           |           |           |           |    |     |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|-----|
| 26                                      | <b>15</b> | 32        | 15        | 4         | 10        | 24 | 0   |
| 27                                      | 4         | 13        | <b>29</b> | 17        | 10        | 28 | 1.8 |
| 28                                      | 3         | 15        | 3         | 8         | <b>47</b> | 24 | 4   |
| 29                                      | 1         | 7         | 11        | <b>10</b> | 0         | 71 | .5  |
| 30                                      | 0         | 1         | 13        | <b>18</b> | 1         | 67 | 1.4 |
| 31                                      | 8         | <b>44</b> | 4         | 4         | 0         | 39 | 4   |
| 32                                      | <b>44</b> | 7         | 0         | 11        | 4         | 33 | 3.9 |
| 33                                      | 10        | 1         | 7         | <b>39</b> | 4         | 39 | 3.3 |
| 34                                      | 10        | <b>64</b> | 0         | 0         | 4         | 22 | 6   |
| 35                                      | 1         | 7         | 6         | 4         | <b>60</b> | 22 | 5.5 |
| 36                                      | 0         | 10        | <b>42</b> | 11        | 1         | 36 | 3.6 |
| 37                                      | 4         | <b>14</b> | 15        | 4         | 3         | 60 | .7  |
| 38                                      | 6         | <b>15</b> | 8         | 10        | 25        | 36 | .3  |
| 39                                      | 14        | <b>13</b> | 1         | 4         | 53        | 15 | -.6 |
| 40                                      | 31        | 11        | <b>13</b> | 17        | 1         | 28 | -.2 |
| 41                                      | <b>13</b> | 13        | 6         | 14        | 4         | 51 | .3  |
| 42                                      | 3         | <b>83</b> | 0         | 0         | 3         | 11 | 8.2 |
| 43                                      | 1         | <b>68</b> | 0         | 1         | 3         | 26 | 6.7 |
| 44                                      | 17        | 1         | <b>69</b> | 0         | 0         | 13 | 6.5 |
| 45                                      | 3         | <b>68</b> | 1         | 0         | 0         | 28 | 6.7 |
| 46                                      | 10        | <b>40</b> | 3         | 4         | 3         | 40 | 3.5 |
| 47                                      | 17        | 1         | 3         | <b>53</b> | 3         | 24 | 4.7 |
| 48                                      | <b>71</b> | 7         | 1         | 0         | 0         | 21 | 6.9 |
| 49                                      | 1         | <b>60</b> | 3         | 0         | 6         | 31 | 5.7 |
| 50                                      | 3         | 3         | 0         | <b>74</b> | 3         | 18 | 7.2 |
| medie: % OK: <b>50</b> , punteggio: 4.4 |           |           |           |           |           |    |     |

| 2-2) 59, GE, 33 persone |           |           |           |           |           |    |      |
|-------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                    | A         | B         | C         | D         | E         | -  | punt |
| 1                       | 3         | 0         | <b>21</b> | 6         | 27        | 42 | 1.2  |
| 2                       | 21        | <b>67</b> | 0         | 0         | 0         | 12 | 6.1  |
| 3                       | 3         | 6         | <b>76</b> | 12        | 0         | 3  | 7    |
| 4                       | 9         | <b>88</b> | 3         | 0         | 0         | 0  | 8.5  |
| 5                       | 0         | <b>85</b> | 3         | 9         | 0         | 3  | 8.2  |
| 6                       | 0         | <b>73</b> | 3         | 0         | 9         | 15 | 7    |
| 7                       | 52        | <b>15</b> | 6         | 9         | 3         | 15 | -.2  |
| 8                       | 0         | 0         | 12        | 0         | <b>76</b> | 12 | 7.3  |
| 9                       | 6         | 21        | 18        | 3         | <b>33</b> | 18 | 2.1  |
| 10                      | 0         | 6         | 27        | <b>12</b> | 0         | 55 | .4   |
| 11                      | 6         | 0         | <b>82</b> | 9         | 0         | 3  | 7.8  |
| 12                      | 15        | 3         | 24        | 9         | <b>24</b> | 24 | 1.1  |
| 13                      | 9         | 0         | 3         | 9         | <b>64</b> | 15 | 5.8  |
| 14                      | 0         | 18        | 3         | 9         | <b>45</b> | 24 | 3.8  |
| 15                      | 0         | 0         | 6         | <b>33</b> | 0         | 61 | 3.2  |
| 16                      | 6         | 0         | 18        | <b>64</b> | 3         | 9  | 5.7  |
| 17                      | 15        | <b>27</b> | 0         | 3         | 15        | 39 | 1.9  |
| 18                      | 0         | <b>42</b> | 0         | 9         | 3         | 45 | 3.9  |
| 19                      | 6         | <b>67</b> | 12        | 0         | 3         | 12 | 6.1  |
| 20                      | 3         | <b>24</b> | 18        | 24        | 3         | 27 | 1.2  |
| 21                      | 9         | 6         | <b>76</b> | 0         | 0         | 9  | 7.2  |
| 22                      | <b>33</b> | 0         | 3         | 3         | 15        | 45 | 2.8  |
| 23                      | 21        | 3         | <b>73</b> | 0         | 0         | 3  | 6.7  |
| 24                      | 15        | 0         | 9         | 15        | <b>58</b> | 3  | 4.8  |
| 25                      | 0         | 12        | 0         | <b>73</b> | 0         | 15 | 7    |

|                                         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| 26                                      | <b>21</b> | 27        | 9         | 6         | 18        | 18 | .6   |
| 27                                      | 6         | 12        | <b>24</b> | 9         | 15        | 33 | 1.4  |
| 28                                      | 0         | 21        | 0         | 6         | <b>42</b> | 30 | 3.6  |
| 29                                      | 3         | 3         | 18        | <b>9</b>  | 0         | 67 | .3   |
| 30                                      | 0         | 0         | 21        | <b>9</b>  | 3         | 67 | .3   |
| 31                                      | 12        | <b>39</b> | 6         | 3         | 0         | 39 | 3.4  |
| 32                                      | <b>52</b> | 6         | 0         | 9         | 0         | 33 | 4.8  |
| 33                                      | 12        | 3         | 9         | <b>42</b> | 6         | 27 | 3.5  |
| 34                                      | 3         | <b>70</b> | 0         | 0         | 9         | 18 | 6.7  |
| 35                                      | 3         | 6         | 6         | 3         | <b>73</b> | 9  | 6.8  |
| 36                                      | 0         | 6         | <b>45</b> | 9         | 0         | 39 | 4.2  |
| 37                                      | 3         | <b>9</b>  | 9         | 0         | 3         | 76 | .5   |
| 38                                      | 9         | <b>18</b> | 6         | 15        | 27        | 24 | .4   |
| 39                                      | 6         | <b>12</b> | 0         | 3         | 64        | 15 | -.6  |
| 40                                      | 24        | 18        | <b>6</b>  | 24        | 3         | 24 | -1.1 |
| 41                                      | <b>6</b>  | 21        | 6         | 18        | 6         | 42 | -.7  |
| 42                                      | 0         | <b>94</b> | 0         | 0         | 6         | 0  | 9.2  |
| 43                                      | 3         | <b>67</b> | 0         | 0         | 6         | 24 | 6.4  |
| 44                                      | 18        | 3         | <b>70</b> | 0         | 0         | 9  | 6.4  |
| 45                                      | 6         | <b>70</b> | 3         | 0         | 0         | 21 | 6.7  |
| 46                                      | 12        | <b>36</b> | 3         | 6         | 6         | 36 | 3    |
| 47                                      | 27        | 0         | 3         | <b>52</b> | 3         | 15 | 4.3  |
| 48                                      | <b>79</b> | 9         | 0         | 0         | 0         | 12 | 7.7  |
| 49                                      | 0         | <b>76</b> | 3         | 0         | 3         | 18 | 7.4  |
| 50                                      | 3         | 3         | 0         | <b>82</b> | 3         | 9  | 8    |
| medie: % OK: <b>49</b> , punteggio: 4.2 |           |           |           |           |           |    |      |

| 2-3) 59, TN, 21 persone |           |           |           |           |           |    |      |
|-------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                    | A         | B         | C         | D         | E         | -  | punt |
| 1                       | 0         | 10        | <b>38</b> | 0         | 24        | 29 | 3    |
| 2                       | 38        | <b>52</b> | 0         | 0         | 10        | 0  | 4    |
| 3                       | 0         | 0         | <b>81</b> | 10        | 0         | 10 | 7.9  |
| 4                       | 5         | <b>95</b> | 0         | 0         | 0         | 0  | 9.4  |
| 5                       | 0         | <b>95</b> | 0         | 0         | 5         | 0  | 9.4  |
| 6                       | 0         | <b>95</b> | 0         | 5         | 0         | 0  | 9.4  |
| 7                       | 43        | <b>52</b> | 5         | 0         | 0         | 0  | 4    |
| 8                       | 0         | 14        | 0         | 0         | <b>76</b> | 10 | 7.3  |
| 9                       | 5         | 14        | 10        | 5         | <b>57</b> | 10 | 4.9  |
| 10                      | 5         | 0         | <b>33</b> | <b>29</b> | 5         | 29 | 1.8  |
| 11                      | 0         | 5         | <b>90</b> | 5         | 0         | 0  | 8.8  |
| 12                      | 5         | 10        | 14        | 24        | <b>43</b> | 5  | 3    |
| 13                      | 10        | 0         | 0         | 5         | <b>81</b> | 5  | 7.7  |
| 14                      | 5         | 19        | 0         | 5         | <b>48</b> | 24 | 4    |
| 15                      | 0         | 0         | 0         | <b>71</b> | 0         | 29 | 7.1  |
| 16                      | 0         | 0         | 24        | <b>76</b> | 0         | 0  | 7    |
| 17                      | 14        | <b>33</b> | 0         | 0         | 14        | 38 | 2.6  |
| 18                      | 0         | <b>76</b> | 0         | 5         | 0         | 19 | 7.5  |
| 19                      | 0         | <b>76</b> | 14        | 0         | 0         | 10 | 7.3  |
| 20                      | 14        | <b>10</b> | 5         | 48        | 0         | 24 | -.7  |
| 21                      | 0         | 0         | <b>76</b> | 0         | 0         | 24 | 7.6  |
| 22                      | <b>48</b> | 0         | 0         | 0         | 29        | 24 | 4    |
| 23                      | 19        | 0         | <b>52</b> | 0         | 0         | 29 | 4.8  |
| 24                      | 5         | 0         | 14        | 0         | <b>52</b> | 29 | 4.8  |
| 25                      | 0         | 10        | 0         | <b>86</b> | 0         | 5  | 8.3  |

|                                         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| 26                                      | <b>5</b>  | 43        | 19        | 5         | 0         | 29 | -1.2 |
| 27                                      | 5         | 10        | <b>38</b> | 29        | 5         | 14 | 2.6  |
| 28                                      | 10        | 14        | 5         | 10        | <b>29</b> | 33 | 1.9  |
| 29                                      | 0         | 10        | 0         | <b>0</b>  | 0         | 90 | -.2  |
| 30                                      | 0         | 0         | 5         | <b>29</b> | 0         | 67 | 2.7  |
| 31                                      | 5         | <b>33</b> | 5         | 0         | 0         | 57 | 3.1  |
| 32                                      | <b>14</b> | 10        | 0         | 19        | 5         | 52 | .6   |
| 33                                      | 10        | 0         | 5         | <b>19</b> | 5         | 62 | 1.4  |
| 34                                      | 14        | <b>52</b> | 0         | 0         | 0         | 33 | 4.9  |
| 35                                      | 0         | 10        | 0         | 10        | <b>43</b> | 38 | 3.8  |
| 36                                      | 0         | 14        | <b>29</b> | 5         | 5         | 48 | 2.3  |
| 37                                      | 5         | <b>5</b>  | <b>33</b> | 0         | 0         | 57 | -.5  |
| 38                                      | 5         | <b>5</b>  | 5         | 5         | 29        | 52 | -.6  |
| 39                                      | 33        | <b>10</b> | 0         | 10        | 33        | 14 | -1   |
| 40                                      | 57        | 5         | <b>0</b>  | 5         | 0         | 33 | -1.7 |
| 41                                      | <b>24</b> | 0         | 5         | 0         | 5         | 67 | 2.1  |
| 42                                      | 10        | <b>62</b> | 0         | 0         | 0         | 29 | 6    |
| 43                                      | 0         | <b>71</b> | 0         | 0         | 0         | 29 | 7.1  |
| 44                                      | 19        | 0         | <b>62</b> | 0         | 0         | 19 | 5.7  |
| 45                                      | 0         | <b>52</b> | 0         | 0         | 0         | 48 | 5.2  |
| 46                                      | 14        | <b>33</b> | 0         | 5         | 0         | 48 | 2.9  |
| 47                                      | 0         | 0         | 5         | <b>57</b> | 0         | 38 | 5.6  |
| 48                                      | <b>57</b> | 0         | 5         | 0         | 0         | 38 | 5.6  |
| 49                                      | 5         | <b>33</b> | 0         | 0         | 10        | 52 | 3    |
| 50                                      | 5         | 5         | 0         | <b>57</b> | 0         | 33 | 5.5  |
| medie: % OK: <b>48</b> , punteggio: 4.2 |           |           |           |           |           |    |      |

| 2-4) 59, UD, 18 persone |           |           |           |           |           |    |      |
|-------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                    | A         | B         | C         | D         | E         | -  | punt |
| 1                       | 0         | 0         | <b>50</b> | 0         | 28        | 22 | 4.3  |
| 2                       | 6         | <b>78</b> | 0         | 0         | 6         | 11 | 7.5  |
| 3                       | 0         | 6         | <b>72</b> | 0         | 6         | 17 | 6.9  |
| 4                       | 0         | <b>94</b> | 6         | 0         | 0         | 0  | 9.3  |
| 5                       | 0         | <b>78</b> | 11        | 6         | 0         | 6  | 7.4  |
| 6                       | 6         | <b>67</b> | 0         | 0         | 17        | 11 | 6.1  |
| 7                       | 44        | <b>39</b> | 0         | 11        | 6         | 0  | 2.4  |
| 8                       | 6         | 0         | 6         | 0         | <b>78</b> | 11 | 7.5  |
| 9                       | 0         | 28        | 11        | 0         | <b>33</b> | 28 | 2.4  |
| 10                      | 6         | 11        | 6         | <b>33</b> | 0         | 44 | 2.8  |
| 11                      | 6         | 6         | <b>89</b> | 0         | 0         | 0  | 8.6  |
| 12                      | 11        | 17        | 0         | 39        | <b>22</b> | 11 | .6   |
| 13                      | 6         | 0         | 6         | 17        | <b>61</b> | 11 | 5.4  |
| 14                      | 17        | 0         | 0         | 0         | <b>67</b> | 17 | 6.3  |
| 15                      | 0         | 6         | 0         | <b>39</b> | 0         | 56 | 3.8  |
| 16                      | 0         | 0         | 6         | <b>89</b> | 6         | 0  | 8.6  |
| 17                      | 11        | <b>56</b> | 0         | 11        | 0         | 22 | 5    |
| 18                      | 0         | <b>50</b> | 0         | 6         | 11        | 33 | 4.6  |
| 19                      | 6         | <b>72</b> | 17        | 0         | 0         | 6  | 6.7  |
| 20                      | 6         | <b>22</b> | 17        | 33        | 0         | 22 | .8   |
| 21                      | 0         | 22        | <b>67</b> | 0         | 0         | 11 | 6.1  |
| 22                      | <b>67</b> | 0         | 0         | 0         | 17        | 17 | 6.3  |
| 23                      | 17        | 0         | <b>67</b> | 6         | 0         | 11 | 6.1  |
| 24                      | 22        | 6         | 6         | 11        | <b>39</b> | 17 | 2.8  |
| 25                      | 6         | 0         | 0         | <b>89</b> | 0         | 6  | 8.8  |

|                                       |           |           |           |           |           |    |     |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|----|-----|
| 26                                    | <b>17</b> | 28        | 22        | 0         | 6         | 28 | .3  |
| 27                                    | 0         | 17        | <b>28</b> | 17        | 6         | 33 | 1.8 |
| 28                                    | 0         | 6         | 6         | 11        | <b>78</b> | 0  | 7.2 |
| 29                                    | 0         | 11        | 11        | <b>22</b> | 0         | 56 | 1.7 |
| 30                                    | 0         | 6         | 6         | <b>22</b> | 0         | 67 | 1.9 |
| 31                                    | 6         | <b>67</b> | 0         | 11        | 0         | 17 | 6.3 |
| 32                                    | <b>67</b> | 6         | 0         | 6         | 11        | 11 | 6.1 |
| 33                                    | 6         | 0         | 6         | <b>56</b> | 0         | 33 | 5.3 |
| 34                                    | 17        | <b>67</b> | 0         | 0         | 0         | 17 | 6.3 |
| 35                                    | 0         | 6         | 11        | 0         | <b>56</b> | 28 | 5.1 |
| 36                                    | 0         | 11        | <b>50</b> | 22        | 0         | 17 | 4.2 |
| 37                                    | 6         | <b>33</b> | 6         | 17        | 6         | 33 | 2.5 |
| 38                                    | 0         | <b>22</b> | 17        | 6         | 17        | 39 | 1.3 |
| 39                                    | 6         | <b>17</b> | 6         | 0         | 56        | 17 | 0   |
| 40                                    | 11        | 6         | <b>39</b> | 17        | 0         | 28 | 3.1 |
| 41                                    | <b>11</b> | 11        | 6         | 22        | 0         | 50 | .1  |
| 42                                    | 0         | <b>89</b> | 0         | 0         | 0         | 11 | 8.9 |
| 43                                    | 0         | <b>67</b> | 0         | 6         | 0         | 28 | 6.5 |
| 44                                    | 11        | 0         | <b>78</b> | 0         | 0         | 11 | 7.5 |
| 45                                    | 0         | <b>83</b> | 0         | 0         | 0         | 17 | 8.3 |
| 46                                    | 0         | <b>56</b> | 6         | 0         | 0         | 39 | 5.4 |
| 47                                    | 17        | 6         | 0         | <b>50</b> | 6         | 22 | 4.3 |
| 48                                    | <b>72</b> | 11        | 0         | 0         | 0         | 17 | 6.9 |
| 49                                    | 0         | <b>61</b> | 6         | 0         | 6         | 28 | 5.8 |
| 50                                    | 0         | 0         | 0         | <b>78</b> | 6         | 17 | 7.6 |
| medie: % OK: <b>56</b> , punteggio: 5 |           |           |           |           |           |    |     |

| 2-5) classe 59, matematici, 18 p. |           |            |            |            |           |    |      |
|-----------------------------------|-----------|------------|------------|------------|-----------|----|------|
| que.                              | A         | B          | C          | D          | E         | -  | punt |
| 1                                 | 0         | 0          | <b>83</b>  | 6          | 6         | 6  | 8.1  |
| 2                                 | 17        | <b>78</b>  | 0          | 0          | 6         | 0  | 7.2  |
| 3                                 | 0         | 0          | <b>94</b>  | 6          | 0         | 0  | 9.3  |
| 4                                 | 6         | <b>94</b>  | 0          | 0          | 0         | 0  | 9.3  |
| 5                                 | 0         | <b>94</b>  | 6          | 0          | 0         | 0  | 9.3  |
| 6                                 | 6         | <b>83</b>  | 0          | 0          | 0         | 11 | 8.2  |
| 7                                 | 22        | <b>72</b>  | 0          | 0          | 0         | 6  | 6.7  |
| 8                                 | 0         | 0          | 6          | 0          | <b>83</b> | 11 | 8.2  |
| 9                                 | 0         | 22         | 0          | 6          | <b>72</b> | 0  | 6.5  |
| 10                                | 0         | 0          | 33         | <b>39</b>  | 0         | 28 | 3.1  |
| 11                                | 0         | 0          | <b>100</b> | 0          | 0         | 0  | 10   |
| 12                                | 11        | 11         | 17         | 28         | <b>33</b> | 0  | 1.7  |
| 13                                | 0         | 0          | 0          | 6          | <b>94</b> | 0  | 9.3  |
| 14                                | 6         | 11         | 0          | 0          | <b>56</b> | 28 | 5.1  |
| 15                                | 0         | 0          | 0          | <b>100</b> | 0         | 0  | 10   |
| 16                                | 0         | 0          | 11         | <b>83</b>  | 6         | 0  | 7.9  |
| 17                                | 0         | <b>39</b>  | 0          | 0          | 0         | 61 | 3.9  |
| 18                                | 0         | <b>100</b> | 0          | 0          | 0         | 0  | 10   |
| 19                                | 6         | <b>61</b>  | 22         | 0          | 6         | 6  | 5.3  |
| 20                                | 6         | <b>17</b>  | 17         | 33         | 0         | 28 | .3   |
| 21                                | 0         | 6          | <b>72</b>  | 0          | 0         | 22 | 7.1  |
| 22                                | <b>39</b> | 0          | 0          | 0          | 17        | 44 | 3.5  |
| 23                                | 39        | 6          | <b>22</b>  | 0          | 0         | 33 | 1.1  |
| 24                                | 17        | 0          | 11         | 11         | <b>44</b> | 17 | 3.5  |
| 25                                | 0         | 6          | 0          | <b>72</b>  | 0         | 22 | 7.1  |

|                                         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| 26                                      | <b>6</b>  | 28        | 17        | 6         | 0         | 44 | -.7  |
| 27                                      | 0         | 0         | <b>33</b> | 22        | 6         | 39 | 2.6  |
| 28                                      | 0         | 17        | 0         | 11        | <b>28</b> | 44 | 2.1  |
| 29                                      | 0         | 6         | 11        | <b>0</b>  | 0         | 83 | -.4  |
| 30                                      | 0         | 0         | 0         | <b>11</b> | 0         | 89 | 1.1  |
| 31                                      | 6         | <b>22</b> | 0         | 0         | 0         | 72 | 2.1  |
| 32                                      | <b>17</b> | 0         | 0         | 11        | 11        | 61 | 1.1  |
| 33                                      | 6         | 0         | 6         | <b>0</b>  | 0         | 89 | -.3  |
| 34                                      | 22        | <b>28</b> | 0         | 0         | 6         | 44 | 2.1  |
| 35                                      | 0         | 17        | 0         | 6         | <b>22</b> | 56 | 1.7  |
| 36                                      | 0         | 6         | <b>11</b> | 17        | 6         | 61 | .4   |
| 37                                      | 0         | <b>0</b>  | 11        | 0         | 6         | 83 | -.4  |
| 38                                      | 6         | <b>6</b>  | 6         | 6         | 22        | 56 | -.4  |
| 39                                      | 17        | <b>6</b>  | 0         | 0         | 56        | 22 | -1.2 |
| 40                                      | 22        | 6         | <b>0</b>  | 0         | 6         | 67 | -.8  |
| 41                                      | <b>11</b> | 6         | 6         | 0         | 6         | 72 | .7   |
| 42                                      | 6         | <b>56</b> | 0         | 0         | 0         | 39 | 5.4  |
| 43                                      | 0         | <b>28</b> | 0         | 0         | 0         | 72 | 2.8  |
| 44                                      | 33        | 0         | <b>28</b> | 0         | 0         | 39 | 1.9  |
| 45                                      | 0         | <b>33</b> | 0         | 0         | 0         | 67 | 3.3  |
| 46                                      | 6         | <b>11</b> | 6         | 0         | 0         | 78 | .8   |
| 47                                      | 6         | 0         | 0         | <b>28</b> | 6         | 61 | 2.5  |
| 48                                      | <b>44</b> | 6         | 0         | 0         | 0         | 50 | 4.3  |
| 49                                      | 6         | <b>6</b>  | 0         | 0         | 0         | 89 | .4   |
| 50                                      | 6         | 6         | 0         | <b>33</b> | 0         | 56 | 3.1  |
| medie: % OK: <b>44</b> , punteggio: 3.9 |           |           |           |           |           |    |      |

| 2-6) cl. 59, fisici, 5 persone |           |            |            |            |            |    |      |
|--------------------------------|-----------|------------|------------|------------|------------|----|------|
| que.                           | A         | B          | C          | D          | E          | -  | punt |
| 1                              | 0         | 20         | <b>60</b>  | 0          | 20         | 0  | 5    |
| 2                              | 20        | <b>80</b>  | 0          | 0          | 0          | 0  | 7.5  |
| 3                              | 0         | 0          | <b>80</b>  | 20         | 0          | 0  | 7.5  |
| 4                              | 0         | <b>100</b> | 0          | 0          | 0          | 0  | 10   |
| 5                              | 0         | <b>100</b> | 0          | 0          | 0          | 0  | 10   |
| 6                              | 0         | <b>100</b> | 0          | 0          | 0          | 0  | 10   |
| 7                              | 60        | <b>20</b>  | 20         | 0          | 0          | 0  | 0    |
| 8                              | 0         | 0          | 0          | 0          | <b>100</b> | 0  | 10   |
| 9                              | 0         | 80         | 0          | 0          | <b>0</b>   | 20 | -2   |
| 10                             | 0         | 0          | 40         | <b>40</b>  | 0          | 20 | 3    |
| 11                             | 0         | 0          | <b>100</b> | 0          | 0          | 0  | 10   |
| 12                             | 0         | 0          | 60         | 0          | <b>40</b>  | 0  | 2.5  |
| 13                             | 0         | 0          | 0          | 20         | <b>80</b>  | 0  | 7.5  |
| 14                             | 0         | 0          | 0          | 20         | <b>60</b>  | 20 | 5.5  |
| 15                             | 0         | 0          | 0          | <b>100</b> | 0          | 0  | 10   |
| 16                             | 0         | 0          | 0          | <b>100</b> | 0          | 0  | 10   |
| 17                             | 60        | <b>40</b>  | 0          | 0          | 0          | 0  | 2.5  |
| 18                             | 0         | <b>80</b>  | 0          | 20         | 0          | 0  | 7.5  |
| 19                             | 0         | <b>80</b>  | 20         | 0          | 0          | 0  | 7.5  |
| 20                             | 0         | <b>40</b>  | 40         | 0          | 0          | 20 | 3    |
| 21                             | 0         | 0          | <b>80</b>  | 0          | 0          | 20 | 8    |
| 22                             | <b>60</b> | 0          | 0          | 0          | 40         | 0  | 5    |
| 23                             | 60        | 0          | <b>20</b>  | 0          | 0          | 20 | .5   |
| 24                             | 20        | 0          | 0          | 0          | <b>40</b>  | 40 | 3.5  |
| 25                             | 0         | 0          | 0          | <b>100</b> | 0          | 0  | 10   |

|                                         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| 26                                      | <b>80</b> | 20        | 0         | 0         | 0         | 0  | 7.5  |
| 27                                      | 0         | 40        | <b>20</b> | 20        | 0         | 20 | .5   |
| 28                                      | 0         | 20        | 0         | 0         | <b>80</b> | 0  | 7.5  |
| 29                                      | 0         | 0         | 20        | <b>40</b> | 0         | 40 | 3.5  |
| 30                                      | 0         | 0         | 20        | <b>40</b> | 0         | 40 | 3.5  |
| 31                                      | 0         | <b>20</b> | 0         | 0         | 0         | 80 | 2    |
| 32                                      | <b>60</b> | 0         | 0         | 0         | 0         | 40 | 6    |
| 33                                      | 0         | 0         | 0         | <b>40</b> | 20        | 40 | 3.5  |
| 34                                      | 0         | <b>60</b> | 0         | 0         | 20        | 20 | 5.5  |
| 35                                      | 0         | 0         | 0         | 0         | <b>60</b> | 40 | 6    |
| 36                                      | 0         | 0         | <b>60</b> | 0         | 0         | 40 | 6    |
| 37                                      | 20        | <b>20</b> | 0         | 0         | 0         | 60 | 1.5  |
| 38                                      | 0         | <b>20</b> | 20        | 20        | 20        | 20 | .5   |
| 39                                      | 0         | <b>20</b> | 0         | 0         | 80        | 0  | 0    |
| 40                                      | 20        | 40        | <b>0</b>  | 20        | 0         | 20 | -2   |
| 41                                      | <b>0</b>  | 20        | 0         | 20        | 0         | 60 | -1   |
| 42                                      | 0         | <b>60</b> | 0         | 0         | 20        | 20 | 5.5  |
| 43                                      | 20        | <b>40</b> | 0         | 0         | 0         | 40 | 3.5  |
| 44                                      | 40        | 20        | <b>0</b>  | 0         | 0         | 40 | -1.5 |
| 45                                      | 0         | <b>60</b> | 0         | 0         | 0         | 40 | 6    |
| 46                                      | 0         | <b>40</b> | 0         | 0         | 0         | 60 | 4    |
| 47                                      | 20        | 0         | 0         | <b>20</b> | 0         | 60 | 1.5  |
| 48                                      | <b>60</b> | 0         | 0         | 0         | 0         | 40 | 6    |
| 49                                      | 0         | <b>20</b> | 0         | 0         | 0         | 80 | 2    |
| 50                                      | 0         | 0         | 0         | <b>60</b> | 0         | 40 | 6    |
| medie: % OK: <b>54</b> , punteggio: 4.8 |           |           |           |           |           |    |      |

| 2-7) cl. 59, bio/nat/geo/amb, 49 p. |           |           |           |           |           |    |      |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                | A         | B         | C         | D         | E         | -  | punt |
| 1                                   | 2         | 2         | <b>12</b> | 2         | 35        | 47 | .2   |
| 2                                   | 24        | <b>59</b> | 0         | 0         | 4         | 12 | 5.2  |
| 3                                   | 2         | 6         | <b>69</b> | 8         | 2         | 12 | 6.5  |
| 4                                   | 6         | <b>90</b> | 4         | 0         | 0         | 0  | 8.7  |
| 5                                   | 0         | <b>82</b> | 4         | 8         | 2         | 4  | 7.8  |
| 6                                   | 0         | <b>73</b> | 2         | 2         | 12        | 10 | 6.9  |
| 7                                   | 55        | <b>18</b> | 4         | 10        | 4         | 8  | 0    |
| 8                                   | 2         | 6         | 8         | 0         | <b>71</b> | 12 | 6.7  |
| 9                                   | 6         | 14        | 20        | 2         | <b>33</b> | 24 | 2.2  |
| 10                                  | 4         | 8         | <b>18</b> | <b>14</b> | 2         | 53 | .6   |
| 11                                  | 6         | 4         | <b>80</b> | 8         | 0         | 2  | 7.5  |
| 12                                  | 12        | 8         | 10        | 20        | <b>27</b> | 22 | 1.4  |
| 13                                  | 12        | 0         | 4         | 10        | <b>57</b> | 16 | 5.1  |
| 14                                  | 6         | 16        | 2         | 6         | <b>49</b> | 20 | 4.1  |
| 15                                  | 0         | 2         | 4         | <b>20</b> | 0         | 73 | 1.9  |
| 16                                  | 4         | 0         | 20        | <b>67</b> | 2         | 6  | 6.1  |
| 17                                  | 14        | <b>35</b> | 0         | 6         | 16        | 29 | 2.6  |
| 18                                  | 0         | <b>35</b> | 0         | 8         | 6         | 51 | 3.1  |
| 19                                  | 4         | <b>73</b> | 10        | 0         | 0         | 12 | 7    |
| 20                                  | 8         | <b>18</b> | 10        | 37        | 2         | 24 | .4   |
| 21                                  | 6         | 10        | <b>73</b> | 0         | 0         | 10 | 6.9  |
| 22                                  | <b>47</b> | 0         | 2         | 2         | 18        | 31 | 4.1  |
| 23                                  | 8         | 0         | <b>86</b> | 2         | 0         | 4  | 8.3  |
| 24                                  | 12        | 2         | 10        | 10        | <b>55</b> | 10 | 4.6  |
| 25                                  | 2         | 10        | 0         | <b>82</b> | 0         | 6  | 7.9  |

|                                         |           |           |           |           |           |    |     |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|-----|
| 26                                      | <b>12</b> | 35        | 16        | 4         | 14        | 18 | -.5 |
| 27                                      | 6         | 14        | <b>29</b> | 14        | 12        | 24 | 1.7 |
| 28                                      | 4         | 14        | 4         | 8         | <b>51</b> | 18 | 4.3 |
| 29                                      | 2         | 8         | 10        | <b>10</b> | 0         | 69 | .5  |
| 30                                      | 0         | 2         | 16        | <b>18</b> | 2         | 61 | 1.3 |
| 31                                      | 10        | <b>55</b> | 6         | 6         | 0         | 22 | 4.9 |
| 32                                      | <b>53</b> | 10        | 0         | 12        | 2         | 22 | 4.7 |
| 33                                      | 12        | 2         | 8         | <b>53</b> | 4         | 20 | 4.6 |
| 34                                      | 6         | <b>78</b> | 0         | 0         | 2         | 14 | 7.6 |
| 35                                      | 2         | 4         | 8         | 4         | <b>73</b> | 8  | 6.9 |
| 36                                      | 0         | 12        | <b>51</b> | 10        | 0         | 27 | 4.5 |
| 37                                      | 4         | <b>18</b> | 18        | 6         | 2         | 51 | 1.1 |
| 38                                      | 6         | <b>18</b> | 8         | 10        | 27        | 31 | .6  |
| 39                                      | 14        | <b>14</b> | 2         | 6         | 49        | 14 | -.4 |
| 40                                      | 35        | 10        | <b>18</b> | 22        | 0         | 14 | .2  |
| 41                                      | <b>14</b> | 14        | 6         | 18        | 4         | 43 | .4  |
| 42                                      | 2         | <b>96</b> | 0         | 0         | 2         | 0  | 9.5 |
| 43                                      | 0         | <b>86</b> | 0         | 2         | 4         | 8  | 8.4 |
| 44                                      | 8         | 0         | <b>92</b> | 0         | 0         | 0  | 9   |
| 45                                      | 4         | <b>82</b> | 2         | 0         | 0         | 12 | 8   |
| 46                                      | 12        | <b>51</b> | 2         | 6         | 4         | 24 | 4.5 |
| 47                                      | 20        | 2         | 4         | <b>65</b> | 2         | 6  | 5.8 |
| 48                                      | <b>82</b> | 8         | 2         | 0         | 0         | 8  | 7.9 |
| 49                                      | 0         | <b>84</b> | 4         | 0         | 8         | 4  | 8.1 |
| 50                                      | 2         | 2         | 0         | <b>90</b> | 4         | 2  | 8.8 |
| medie: % OK: <b>52</b> , punteggio: 4.6 |           |           |           |           |           |    |     |

### 3. Quesiti di matematica per le classi 49 – Matematica e Fisica, 47 – Matematica/48 – Matematica Applicata

| 3-1) matemat. per 47/9, 53 persone      |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 4         | 36        | <b>40</b> | 0         | 17        | 4  | 2.5  |
| 2                                       | 13        | 8         | 8         | <b>30</b> | 19        | 23 | 1.8  |
| 3                                       | 8         | 0         | <b>6</b>  | 0         | 4         | 83 | .3   |
| 4                                       | 9         | 9         | 4         | 2         | <b>23</b> | 53 | 1.7  |
| 5                                       | 2         | 9         | 4         | <b>43</b> | 4         | 38 | 3.9  |
| 6                                       | 8         | 15        | 0         | 0         | <b>34</b> | 43 | 2.8  |
| 7                                       | 23        | <b>17</b> | 11        | 13        | 4         | 32 | .4   |
| 8                                       | 6         | <b>21</b> | 4         | 4         | 8         | 58 | 1.6  |
| 9                                       | 0         | 60        | 2         | 2         | <b>15</b> | 21 | -.1  |
| 10                                      | 15        | 8         | 2         | <b>58</b> | 6         | 11 | 5.1  |
| 11                                      | 6         | 2         | <b>19</b> | 23        | 6         | 45 | 1    |
| 12                                      | <b>70</b> | 11        | 8         | 2         | 8         | 2  | 6.3  |
| 13                                      | <b>21</b> | 6         | 2         | 8         | 4         | 60 | 1.6  |
| 14                                      | 0         | <b>57</b> | 6         | 0         | 15        | 23 | 5.1  |
| 15                                      | 4         | 4         | <b>74</b> | 6         | 2         | 11 | 7    |
| 16                                      | 6         | <b>43</b> | 0         | 0         | 13        | 38 | 3.9  |
| 17                                      | 0         | 11        | <b>8</b>  | 55        | 0         | 26 | -.9  |
| 18                                      | 21        | 4         | <b>36</b> | 0         | 15        | 25 | 2.6  |
| 19                                      | 2         | 0         | <b>11</b> | 4         | 2         | 81 | .9   |
| 20                                      | 2         | 4         | 2         | <b>13</b> | 0         | 79 | 1.1  |
| 21                                      | 2         | <b>15</b> | 6         | 0         | 0         | 77 | 1.3  |
| 22                                      | <b>9</b>  | 0         | 4         | 0         | 2         | 85 | .8   |
| 23                                      | <b>30</b> | 9         | 0         | 9         | 8         | 43 | 2.4  |
| 24                                      | 9         | 2         | 0         | <b>64</b> | 2         | 23 | 6.1  |
| 25                                      | 4         | 6         | 30        | 11        | <b>34</b> | 15 | 2.1  |
| medie: % OK: <b>32</b> , punteggio: 2.5 |           |           |           |           |           |    |      |

| 3-2) matem. 47/9, matematici, 34 p.     |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 3         | 47        | <b>44</b> | 0         | 6         | 0  | 3    |
| 2                                       | 15        | 9         | 12        | <b>21</b> | 21        | 24 | .7   |
| 3                                       | 3         | 0         | <b>6</b>  | 0         | 3         | 88 | .4   |
| 4                                       | 9         | 9         | 3         | 3         | <b>32</b> | 44 | 2.6  |
| 5                                       | 0         | 9         | 3         | <b>38</b> | 3         | 47 | 3.5  |
| 6                                       | 3         | 21        | 0         | 0         | <b>26</b> | 50 | 2.1  |
| 7                                       | 26        | <b>15</b> | 6         | 18        | 0         | 35 | .2   |
| 8                                       | 6         | <b>29</b> | 3         | 3         | 3         | 56 | 2.6  |
| 9                                       | 0         | 74        | 0         | 0         | <b>12</b> | 15 | -.7  |
| 10                                      | 21        | 9         | 3         | <b>53</b> | 6         | 9  | 4.3  |
| 11                                      | 9         | 0         | <b>18</b> | 18        | 9         | 47 | .9   |
| 12                                      | <b>74</b> | 9         | 6         | 3         | 9         | 0  | 6.7  |
| 13                                      | <b>15</b> | 6         | 3         | 9         | 0         | 68 | 1    |
| 14                                      | 0         | <b>56</b> | 9         | 0         | 15        | 21 | 5    |
| 15                                      | 6         | 6         | <b>76</b> | 3         | 0         | 9  | 7.3  |
| 16                                      | 6         | <b>56</b> | 0         | 0         | 6         | 32 | 5.3  |
| 17                                      | 0         | 9         | <b>9</b>  | 62        | 0         | 21 | -.9  |
| 18                                      | 15        | 3         | <b>35</b> | 0         | 21        | 26 | 2.6  |
| 19                                      | 0         | 0         | <b>9</b>  | 0         | 3         | 88 | .8   |
| 20                                      | 0         | 3         | 3         | <b>9</b>  | 0         | 85 | .7   |
| 21                                      | 0         | <b>12</b> | 3         | 0         | 0         | 85 | 1.1  |
| 22                                      | <b>6</b>  | 0         | 6         | 0         | 3         | 85 | .4   |
| 23                                      | <b>41</b> | 12        | 0         | 6         | 6         | 35 | 3.5  |
| 24                                      | 9         | 3         | 0         | <b>74</b> | 0         | 15 | 7.1  |
| 25                                      | 3         | 9         | 26        | 6         | <b>47</b> | 9  | 3.6  |
| medie: % OK: <b>32</b> , punteggio: 2.6 |           |           |           |           |           |    |      |

| 3-3) matem. 47/9, fisici, 8 p.          |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 0         | 13        | <b>63</b> | 0         | 13        | 13 | 5.6  |
| 2                                       | 0         | 0         | 0         | <b>63</b> | 0         | 38 | 6.3  |
| 3                                       | 13        | 0         | <b>13</b> | 0         | 0         | 75 | .9   |
| 4                                       | 13        | 13        | 13        | 0         | <b>0</b>  | 63 | -.9  |
| 5                                       | 13        | 13        | 0         | <b>25</b> | 13        | 38 | 1.6  |
| 6                                       | 0         | 13        | 0         | 0         | <b>25</b> | 63 | 2.2  |
| 7                                       | 13        | <b>25</b> | 13        | 0         | 13        | 38 | 1.6  |
| 8                                       | 0         | <b>0</b>  | 0         | 13        | 13        | 75 | -.6  |
| 9                                       | 0         | 50        | 0         | 0         | <b>13</b> | 38 | 0    |
| 10                                      | 13        | 0         | 0         | <b>88</b> | 0         | 0  | 8.4  |
| 11                                      | 0         | 13        | <b>13</b> | 13        | 0         | 63 | .6   |
| 12                                      | <b>88</b> | 0         | 0         | 0         | 0         | 13 | 8.8  |
| 13                                      | <b>25</b> | 0         | 0         | 0         | 13        | 63 | 2.2  |
| 14                                      | 0         | <b>63</b> | 0         | 0         | 0         | 38 | 6.3  |
| 15                                      | 0         | 0         | <b>75</b> | 13        | 0         | 13 | 7.2  |
| 16                                      | 0         | <b>38</b> | 0         | 0         | 25        | 38 | 3.1  |
| 17                                      | 0         | 13        | <b>13</b> | 63        | 0         | 13 | -.6  |
| 18                                      | 13        | 13        | <b>50</b> | 0         | 0         | 25 | 4.4  |
| 19                                      | 0         | 0         | <b>13</b> | 0         | 0         | 88 | 1.3  |
| 20                                      | 0         | 0         | 0         | <b>25</b> | 0         | 75 | 2.5  |
| 21                                      | 0         | <b>25</b> | 0         | 0         | 0         | 75 | 2.5  |
| 22                                      | <b>13</b> | 0         | 0         | 0         | 0         | 88 | 1.3  |
| 23                                      | <b>13</b> | 0         | 0         | 38        | 0         | 50 | .3   |
| 24                                      | 0         | 0         | 0         | <b>75</b> | 0         | 25 | 7.5  |
| 25                                      | 0         | 0         | 25        | 25        | <b>25</b> | 25 | 1.3  |
| medie: % OK: <b>35</b> , punteggio: 2.9 |           |           |           |           |           |    |      |

| 3-4) 47/9, ing/eco/sta/inf, 11 p.       |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 9         | 18        | <b>9</b>  | 0         | 55        | 9  | -1.1 |
| 2                                       | 18        | 9         | 0         | <b>36</b> | 27        | 9  | 2.3  |
| 3                                       | 18        | 0         | <b>0</b>  | 0         | 9         | 73 | -.7  |
| 4                                       | 9         | 9         | 0         | 0         | <b>9</b>  | 73 | .5   |
| 5                                       | 0         | 9         | 9         | <b>73</b> | 0         | 9  | 6.8  |
| 6                                       | 27        | 0         | 0         | 0         | <b>64</b> | 9  | 5.7  |
| 7                                       | 18        | <b>18</b> | 27        | 9         | 9         | 18 | .2   |
| 8                                       | 9         | <b>9</b>  | 9         | 0         | 18        | 55 | 0    |
| 9                                       | 0         | 27        | 9         | 9         | <b>27</b> | 27 | 1.6  |
| 10                                      | 0         | 9         | 0         | <b>55</b> | 9         | 27 | 5    |
| 11                                      | 0         | 0         | <b>27</b> | 45        | 0         | 27 | 1.6  |
| 12                                      | <b>45</b> | 27        | 18        | 0         | 9         | 0  | 3.2  |
| 13                                      | <b>36</b> | 9         | 0         | 9         | 9         | 36 | 3    |
| 14                                      | 0         | <b>55</b> | 0         | 0         | 27        | 18 | 4.8  |
| 15                                      | 0         | 0         | <b>64</b> | 9         | 9         | 18 | 5.9  |
| 16                                      | 9         | <b>9</b>  | 0         | 0         | 27        | 55 | 0    |
| 17                                      | 0         | 18        | <b>0</b>  | 27        | 0         | 55 | -1.1 |
| 18                                      | 45        | 0         | <b>27</b> | 0         | 9         | 18 | 1.4  |
| 19                                      | 9         | 0         | <b>18</b> | 18        | 0         | 55 | 1.1  |
| 20                                      | 9         | 9         | 0         | <b>18</b> | 0         | 64 | 1.4  |
| 21                                      | 9         | <b>18</b> | 18        | 0         | 0         | 55 | 1.1  |
| 22                                      | <b>18</b> | 0         | 0         | 0         | 0         | 82 | 1.8  |
| 23                                      | <b>9</b>  | 9         | 0         | 0         | 18        | 64 | .2   |
| 24                                      | 18        | 0         | 0         | <b>27</b> | 9         | 45 | 2    |
| 25                                      | 9         | 0         | 45        | 18        | <b>0</b>  | 27 | -1.8 |
| medie: % OK: <b>27</b> , punteggio: 1.8 |           |           |           |           |           |    |      |

| 3-5) matemat. per 47/9, 53 pers. |           |     |           |
|----------------------------------|-----------|-----|-----------|
| sede                             | n.persone | %OK | punteggio |
| TOT                              | 53        | 32  | 2.5       |

|    |    |    |     |
|----|----|----|-----|
| GE | 16 | 33 | 2.4 |
| TN | 13 | 31 | 2.6 |
| UD | 24 | 31 | 2.5 |

#### 4. Quesiti di fisica per la classe 49 – Matematica e Fisica

| 4-1) fisica per 49, 45 persone          |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 0         | 11        | <b>56</b> | 4         | 2         | 27 | 5.1  |
| 2                                       | 29        | <b>27</b> | 18        | 2         | 0         | 24 | 1.4  |
| 3                                       | 38        | 44        | <b>11</b> | 0         | 0         | 7  | -.9  |
| 4                                       | 7         | <b>49</b> | 2         | 11        | 0         | 31 | 4.4  |
| 5                                       | 18        | <b>62</b> | 7         | 2         | 4         | 7  | 5.4  |
| 6                                       | 0         | 60        | 4         | <b>22</b> | 0         | 13 | .6   |
| 7                                       | 2         | 0         | 0         | <b>36</b> | 4         | 58 | 3.4  |
| 8                                       | 0         | 4         | 2         | 18        | <b>71</b> | 4  | 6.5  |
| 9                                       | 36        | <b>47</b> | 0         | 2         | 4         | 11 | 3.6  |
| 10                                      | 16        | 29        | 7         | <b>36</b> | 2         | 11 | 2.2  |
| 11                                      | 9         | 2         | <b>20</b> | 16        | 22        | 31 | .8   |
| 12                                      | 2         | 2         | 0         | <b>56</b> | 9         | 31 | 5.2  |
| 13                                      | 2         | 11        | 11        | <b>7</b>  | 11        | 58 | -.2  |
| 14                                      | 2         | 2         | <b>13</b> | 4         | 4         | 73 | 1    |
| 15                                      | 16        | <b>20</b> | 2         | 13        | 16        | 33 | .8   |
| 16                                      | 7         | 7         | 16        | <b>31</b> | 7         | 33 | 2.2  |
| 17                                      | 2         | 2         | 0         | <b>47</b> | 11        | 38 | 4.3  |
| 18                                      | 22        | 2         | 0         | <b>53</b> | 9         | 13 | 4.5  |
| 19                                      | <b>78</b> | 0         | 0         | 18        | 2         | 2  | 7.3  |
| 20                                      | 2         | <b>40</b> | 2         | 2         | 0         | 53 | 3.8  |
| 21                                      | 4         | 0         | <b>82</b> | 2         | 0         | 11 | 8.1  |
| 22                                      | 0         | 2         | 0         | 27        | <b>42</b> | 29 | 3.5  |
| 23                                      | 29        | <b>9</b>  | 13        | 4         | 2         | 42 | -.3  |
| 24                                      | 13        | 9         | 13        | 4         | <b>27</b> | 33 | 1.7  |
| 25                                      | 13        | 0         | 9         | <b>27</b> | 9         | 42 | 1.9  |
| medie: % OK: <b>39</b> , punteggio: 3.1 |           |           |           |           |           |    |      |

| 4-2) fisica 49, matematici, 32 p.       |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 0         | 13        | <b>47</b> | 6         | 0         | 34 | 4.2  |
| 2                                       | 25        | <b>25</b> | 25        | 0         | 0         | 25 | 1.3  |
| 3                                       | 41        | 50        | <b>3</b>  | 0         | 0         | 6  | -2   |
| 4                                       | 6         | <b>44</b> | 3         | 13        | 0         | 34 | 3.8  |
| 5                                       | 22        | <b>59</b> | 6         | 0         | 3         | 9  | 5.2  |
| 6                                       | 0         | 56        | 6         | <b>22</b> | 0         | 16 | .6   |
| 7                                       | 3         | 0         | 0         | <b>22</b> | 3         | 72 | 2    |
| 8                                       | 0         | 3         | 0         | 22        | <b>69</b> | 6  | 6.3  |
| 9                                       | 41        | <b>34</b> | 0         | 3         | 6         | 16 | 2.2  |
| 10                                      | 13        | 38        | 9         | <b>25</b> | 3         | 13 | .9   |
| 11                                      | 6         | 3         | <b>16</b> | 16        | 25        | 34 | .3   |
| 12                                      | 0         | 3         | 0         | <b>50</b> | 9         | 38 | 4.7  |
| 13                                      | 3         | 6         | 9         | <b>0</b>  | 6         | 75 | -.6  |
| 14                                      | 0         | 3         | <b>3</b>  | 6         | 0         | 88 | .1   |
| 15                                      | 13        | <b>16</b> | 3         | 13        | 19        | 38 | .4   |
| 16                                      | 6         | 0         | 19        | <b>25</b> | 9         | 41 | 1.6  |
| 17                                      | 3         | 3         | 0         | <b>38</b> | 9         | 47 | 3.4  |
| 18                                      | 16        | 3         | 0         | <b>53</b> | 13        | 16 | 4.5  |
| 19                                      | <b>69</b> | 0         | 0         | 25        | 3         | 3  | 6.2  |
| 20                                      | 3         | <b>28</b> | 3         | 0         | 0         | 66 | 2.7  |
| 21                                      | 6         | 0         | <b>75</b> | 3         | 0         | 16 | 7.3  |
| 22                                      | 0         | 3         | 0         | 28        | <b>28</b> | 41 | 2    |
| 23                                      | 22        | <b>6</b>  | 6         | 6         | 3         | 56 | -.3  |
| 24                                      | 13        | 6         | 13        | 0         | <b>22</b> | 47 | 1.4  |
| 25                                      | 13        | 0         | 3         | <b>28</b> | 6         | 50 | 2.3  |
| medie: % OK: <b>32</b> , punteggio: 2.4 |           |           |           |           |           |    |      |

| 4-3) fisica 49, fisici, 8 p.            |            |            |            |            |           |    |      |
|-----------------------------------------|------------|------------|------------|------------|-----------|----|------|
| que.                                    | A          | B          | C          | D          | E         | -  | punt |
| 1                                       | 0          | 13         | <b>63</b>  | 0          | 13        | 13 | 5.6  |
| 2                                       | 50         | <b>38</b>  | 0          | 0          | 0         | 13 | 2.5  |
| 3                                       | 13         | 25         | <b>50</b>  | 0          | 0         | 13 | 4.1  |
| 4                                       | 0          | <b>75</b>  | 0          | 13         | 0         | 13 | 7.2  |
| 5                                       | 0          | <b>63</b>  | 13         | 13         | 13        | 0  | 5.3  |
| 6                                       | 0          | 50         | 0          | <b>38</b>  | 0         | 13 | 2.5  |
| 7                                       | 0          | 0          | 0          | <b>75</b>  | 0         | 25 | 7.5  |
| 8                                       | 0          | 0          | 0          | 13         | <b>88</b> | 0  | 8.4  |
| 9                                       | 38         | <b>63</b>  | 0          | 0          | 0         | 0  | 5.3  |
| 10                                      | 25         | 13         | 0          | <b>50</b>  | 0         | 13 | 4.1  |
| 11                                      | 13         | 0          | <b>13</b>  | 25         | 25        | 25 | -.3  |
| 12                                      | 0          | 0          | 0          | <b>88</b>  | 13        | 0  | 8.4  |
| 13                                      | 0          | 25         | 13         | <b>25</b>  | 25        | 13 | .9   |
| 14                                      | 13         | 0          | <b>38</b>  | 0          | 13        | 38 | 3.1  |
| 15                                      | 13         | <b>25</b>  | 0          | 25         | 13        | 25 | 1.3  |
| 16                                      | 13         | 13         | 0          | <b>63</b>  | 0         | 13 | 5.6  |
| 17                                      | 0          | 0          | 0          | <b>100</b> | 0         | 0  | 10   |
| 18                                      | 38         | 0          | 0          | <b>63</b>  | 0         | 0  | 5.3  |
| 19                                      | <b>100</b> | 0          | 0          | 0          | 0         | 0  | 10   |
| 20                                      | 0          | <b>100</b> | 0          | 0          | 0         | 0  | 10   |
| 21                                      | 0          | 0          | <b>100</b> | 0          | 0         | 0  | 10   |
| 22                                      | 0          | 0          | 0          | 25         | <b>75</b> | 0  | 6.9  |
| 23                                      | 38         | <b>25</b>  | 25         | 0          | 0         | 13 | .9   |
| 24                                      | 13         | 25         | 0          | 0          | <b>63</b> | 0  | 5.3  |
| 25                                      | 0          | 0          | 38         | <b>25</b>  | 25        | 13 | .9   |
| medie: % OK: <b>60</b> , punteggio: 5.2 |            |            |            |            |           |    |      |

| 4-4) fisica 49, ingegneri, 5 p.         |            |            |            |           |           |    |      |
|-----------------------------------------|------------|------------|------------|-----------|-----------|----|------|
| que.                                    | A          | B          | C          | D         | E         | -  | punt |
| 1                                       | 0          | 0          | <b>100</b> | 0         | 0         | 0  | 10   |
| 2                                       | 20         | <b>20</b>  | 0          | 20        | 0         | 40 | 1    |
| 3                                       | 60         | 40         | <b>0</b>   | 0         | 0         | 0  | -2.5 |
| 4                                       | 20         | <b>40</b>  | 0          | 0         | 0         | 40 | 3.5  |
| 5                                       | 20         | <b>80</b>  | 0          | 0         | 0         | 0  | 7.5  |
| 6                                       | 0          | 100        | 0          | <b>0</b>  | 0         | 0  | -2.5 |
| 7                                       | 0          | 0          | 0          | <b>60</b> | 20        | 20 | 5.5  |
| 8                                       | 0          | 20         | 20         | 0         | <b>60</b> | 0  | 5    |
| 9                                       | 0          | <b>100</b> | 0          | 0         | 0         | 0  | 10   |
| 10                                      | 20         | 0          | 0          | <b>80</b> | 0         | 0  | 7.5  |
| 11                                      | 20         | 0          | <b>60</b>  | 0         | 0         | 20 | 5.5  |
| 12                                      | 20         | 0          | 0          | <b>40</b> | 0         | 40 | 3.5  |
| 13                                      | 0          | 20         | 20         | <b>20</b> | 20        | 20 | .5   |
| 14                                      | 0          | 0          | <b>40</b>  | 0         | 20        | 40 | 3.5  |
| 15                                      | 40         | <b>40</b>  | 0          | 0         | 0         | 20 | 3    |
| 16                                      | 0          | 40         | 20         | <b>20</b> | 0         | 20 | .5   |
| 17                                      | 0          | 0          | 0          | <b>20</b> | 40        | 40 | 1    |
| 18                                      | 40         | 0          | 0          | <b>40</b> | 0         | 20 | 3    |
| 19                                      | <b>100</b> | 0          | 0          | 0         | 0         | 0  | 10   |
| 20                                      | 0          | <b>20</b>  | 0          | 20        | 0         | 60 | 1.5  |
| 21                                      | 0          | 0          | <b>100</b> | 0         | 0         | 0  | 10   |
| 22                                      | 0          | 0          | 0          | 20        | <b>80</b> | 0  | 7.5  |
| 23                                      | 60         | <b>0</b>   | 40         | 0         | 0         | 0  | -2.5 |
| 24                                      | 20         | 0          | 40         | 40        | <b>0</b>  | 0  | -2.5 |
| 25                                      | 40         | 0          | 0          | <b>20</b> | 0         | 40 | 1    |
| medie: % OK: <b>46</b> , punteggio: 3.6 |            |            |            |           |           |    |      |

## 5. Quesiti di matematica per le classi 47 – Matematica/48 – Matematica Applicata

| 5-1) specifici per 47, 43 persone       |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 16        | 2         | 21        | 2         | 14        | 44 | -1.1 |
| 2                                       | <b>14</b> | 2         | 23        | 0         | 5         | 56 | .6   |
| 3                                       | 5         | <b>12</b> | 0         | 0         | 58        | 26 | -.4  |
| 4                                       | 7         | <b>14</b> | 7         | 0         | 0         | 72 | 1    |
| 5                                       | 0         | 0         | 9         | <b>23</b> | 0         | 67 | 2.1  |
| 6                                       | 2         | 0         | 0         | 0         | <b>79</b> | 19 | 7.8  |
| 7                                       | 14        | 7         | <b>5</b>  | 16        | 16        | 42 | -.9  |
| 8                                       | 2         | 5         | 0         | <b>26</b> | 0         | 67 | 2.4  |
| 9                                       | 2         | <b>44</b> | 0         | 0         | 0         | 53 | 4.4  |
| 10                                      | <b>56</b> | 0         | 0         | 0         | 0         | 44 | 5.6  |
| 11                                      | <b>63</b> | 12        | 0         | 0         | 0         | 26 | 6    |
| 12                                      | 0         | 0         | <b>16</b> | 2         | 14        | 67 | 1.2  |
| 13                                      | 7         | 9         | 12        | 14        | <b>21</b> | 37 | 1    |
| 14                                      | 14        | <b>30</b> | 0         | 0         | 0         | 56 | 2.7  |
| 15                                      | 2         | 0         | <b>26</b> | 2         | 5         | 65 | 2.3  |
| 16                                      | 0         | 0         | 12        | <b>2</b>  | 28        | 58 | -.8  |
| 17                                      | <b>47</b> | 2         | 0         | 0         | 28        | 23 | 3.9  |
| 18                                      | 2         | 23        | <b>58</b> | 0         | 5         | 12 | 5.1  |
| 19                                      | 0         | 0         | <b>53</b> | 0         | 9         | 37 | 5.1  |
| 20                                      | 14        | 2         | 9         | 0         | <b>35</b> | 40 | 2.8  |
| 21                                      | 19        | 21        | 5         | 7         | <b>9</b>  | 40 | -.3  |
| 22                                      | 2         | 5         | 0         | 0         | <b>51</b> | 42 | 4.9  |
| 23                                      | 7         | <b>28</b> | 0         | 7         | 7         | 51 | 2.3  |
| 24                                      | 7         | <b>7</b>  | 2         | 9         | 26        | 49 | -.4  |
| 25                                      | 23        | 5         | 7         | 0         | <b>14</b> | 51 | .5   |
| medie: % OK: <b>28</b> , punteggio: 2.3 |           |           |           |           |           |    |      |

| 5-2) specif. 47, matematici, 28 p.      |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 14        | 4         | 14        | <b>4</b>  | 7         | 57 | -.6  |
| 2                                       | <b>14</b> | 0         | 18        | 0         | 4         | 64 | .9   |
| 3                                       | 7         | <b>14</b> | 0         | 0         | 57        | 21 | -.2  |
| 4                                       | 7         | <b>21</b> | 7         | 0         | 0         | 64 | 1.8  |
| 5                                       | 0         | 0         | 4         | <b>21</b> | 0         | 75 | 2.1  |
| 6                                       | 0         | 0         | 0         | 0         | <b>89</b> | 11 | 8.9  |
| 7                                       | 4         | 11        | <b>4</b>  | 11        | 21        | 50 | -.8  |
| 8                                       | 4         | 7         | 0         | <b>25</b> | 0         | 64 | 2.2  |
| 9                                       | 4         | <b>50</b> | 0         | 0         | 0         | 46 | 4.9  |
| 10                                      | <b>50</b> | 0         | 0         | 0         | 0         | 50 | 5    |
| 11                                      | <b>71</b> | 11        | 0         | 0         | 0         | 18 | 6.9  |
| 12                                      | 0         | 0         | <b>11</b> | 0         | 21        | 68 | .5   |
| 13                                      | 7         | 4         | 11        | 11        | <b>18</b> | 50 | 1    |
| 14                                      | 11        | <b>36</b> | 0         | 0         | 0         | 54 | 3.3  |
| 15                                      | 4         | 0         | <b>25</b> | 0         | 7         | 64 | 2.2  |
| 16                                      | 0         | 0         | 18        | <b>4</b>  | 21        | 57 | -.6  |
| 17                                      | <b>43</b> | 0         | 0         | 0         | 29        | 29 | 3.6  |
| 18                                      | 0         | 18        | <b>64</b> | 0         | 4         | 14 | 5.9  |
| 19                                      | 0         | 0         | <b>46</b> | 0         | 14        | 39 | 4.3  |
| 20                                      | 18        | 0         | 11        | 0         | <b>36</b> | 36 | 2.9  |
| 21                                      | 25        | 18        | 7         | 0         | <b>14</b> | 36 | .2   |
| 22                                      | 0         | 7         | 0         | 0         | <b>57</b> | 36 | 5.5  |
| 23                                      | 11        | <b>21</b> | 0         | 0         | 11        | 57 | 1.6  |
| 24                                      | 4         | <b>7</b>  | 4         | 11        | 21        | 54 | -.3  |
| 25                                      | 21        | 0         | 7         | 0         | <b>18</b> | 54 | 1.1  |
| medie: % OK: <b>31</b> , punteggio: 2.5 |           |           |           |           |           |    |      |

| 5-3) specifici 47, fisici, 5 p.         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 40        | 0         | 0         | <b>0</b>  | 40        | 20 | -2   |
| 2                                       | <b>20</b> | 0         | 40        | 0         | 0         | 40 | 1    |
| 3                                       | 0         | <b>0</b>  | 0         | 0         | 60        | 40 | -1.5 |
| 4                                       | 20        | <b>0</b>  | 0         | 0         | 0         | 80 | -.5  |
| 5                                       | 0         | 0         | 20        | <b>40</b> | 0         | 40 | 3.5  |
| 6                                       | 0         | 0         | 0         | 0         | <b>80</b> | 20 | 8    |
| 7                                       | 20        | 0         | <b>0</b>  | 20        | 20        | 40 | -1.5 |
| 8                                       | 0         | 0         | 0         | <b>20</b> | 0         | 80 | 2    |
| 9                                       | 0         | <b>40</b> | 0         | 0         | 0         | 60 | 4    |
| 10                                      | <b>80</b> | 0         | 0         | 0         | 0         | 20 | 8    |
| 11                                      | <b>40</b> | 20        | 0         | 0         | 0         | 40 | 3.5  |
| 12                                      | 0         | 0         | <b>0</b>  | 20        | 0         | 80 | -.5  |
| 13                                      | 0         | 20        | 20        | 20        | <b>40</b> | 0  | 2.5  |
| 14                                      | 20        | <b>0</b>  | 0         | 0         | 0         | 80 | -.5  |
| 15                                      | 0         | 0         | <b>60</b> | 0         | 0         | 40 | 6    |
| 16                                      | 0         | 0         | 0         | <b>0</b>  | 20        | 80 | -.5  |
| 17                                      | <b>80</b> | 0         | 0         | 0         | 20        | 0  | 7.5  |
| 18                                      | 0         | 60        | <b>20</b> | 0         | 20        | 0  | 0    |
| 19                                      | 0         | 0         | <b>60</b> | 0         | 0         | 40 | 6    |
| 20                                      | 20        | 20        | 0         | 0         | <b>40</b> | 20 | 3    |
| 21                                      | 20        | 20        | 0         | 20        | <b>0</b>  | 40 | -1.5 |
| 22                                      | 20        | 0         | 0         | 0         | <b>40</b> | 40 | 3.5  |
| 23                                      | 0         | <b>40</b> | 0         | 20        | 0         | 40 | 3.5  |
| 24                                      | 0         | <b>0</b>  | 0         | 0         | 60        | 40 | -1.5 |
| 25                                      | 20        | 20        | 0         | 0         | <b>20</b> | 40 | 1    |
| medie: % OK: <b>29</b> , punteggio: 2.1 |           |           |           |           |           |    |      |

| 5-4) 47, ing/eco/sta/inf, 10 p.         |           |           |           |           |           |    |      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----|------|
| que.                                    | A         | B         | C         | D         | E         | -  | punt |
| 1                                       | 10        | 0         | 50        | <b>0</b>  | 20        | 20 | -2   |
| 2                                       | <b>10</b> | 10        | 30        | 0         | 10        | 40 | -.2  |
| 3                                       | 0         | <b>10</b> | 0         | 0         | 60        | 30 | -.5  |
| 4                                       | 0         | <b>0</b>  | 10        | 0         | 0         | 90 | -.2  |
| 5                                       | 0         | 0         | 20        | <b>20</b> | 0         | 60 | 1.5  |
| 6                                       | 10        | 0         | 0         | 0         | <b>50</b> | 40 | 4.8  |
| 7                                       | 40        | 0         | <b>10</b> | 30        | 0         | 20 | -.7  |
| 8                                       | 0         | 0         | 0         | <b>30</b> | 0         | 70 | 3    |
| 9                                       | 0         | <b>30</b> | 0         | 0         | 0         | 70 | 3    |
| 10                                      | <b>60</b> | 0         | 0         | 0         | 0         | 40 | 6    |
| 11                                      | <b>50</b> | 10        | 0         | 0         | 0         | 40 | 4.8  |
| 12                                      | 0         | 0         | <b>40</b> | 0         | 0         | 60 | 4    |
| 13                                      | 10        | 20        | 10        | 20        | <b>20</b> | 20 | .5   |
| 14                                      | 20        | <b>30</b> | 0         | 0         | 0         | 50 | 2.5  |
| 15                                      | 0         | 0         | <b>10</b> | 10        | 0         | 80 | .8   |
| 16                                      | 0         | 0         | 0         | <b>0</b>  | 50        | 50 | -1.2 |
| 17                                      | <b>40</b> | 10        | 0         | 0         | 30        | 20 | 3    |
| 18                                      | 10        | 20        | <b>60</b> | 0         | 0         | 10 | 5.3  |
| 19                                      | 0         | 0         | <b>70</b> | 0         | 0         | 30 | 7    |
| 20                                      | 0         | 0         | 10        | 0         | <b>30</b> | 60 | 2.8  |
| 21                                      | 0         | 30        | 0         | 20        | <b>0</b>  | 50 | -1.2 |
| 22                                      | 0         | 0         | 0         | 0         | <b>40</b> | 60 | 4    |
| 23                                      | 0         | <b>40</b> | 0         | 20        | 0         | 40 | 3.5  |
| 24                                      | 20        | <b>10</b> | 0         | 10        | 20        | 40 | -.2  |
| 25                                      | 30        | 10        | 10        | 0         | <b>0</b>  | 50 | -1.2 |
| medie: % OK: <b>26</b> , punteggio: 1.9 |           |           |           |           |           |    |      |