

# Provsammanställning – centralt innehåll matematik 1b

Nationellt prov i matematik 1b vt 2022

| Delprov | Uppgift | Poäng |   |   | Aritmetik, algebra och funktioner |    |    |    |    |    |    |    |    |     | Sannolikhet och statistik |    |    | Problemlösning, verktyg och tillämpningar |    |    |    |    |    |
|---------|---------|-------|---|---|-----------------------------------|----|----|----|----|----|----|----|----|-----|---------------------------|----|----|-------------------------------------------|----|----|----|----|----|
|         |         | E     | C | A | A1                                | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | S1                        | S2 | S3 | P1                                        | P2 | P3 | P4 | P5 | P6 |
| B       | 1       | 1     | 0 | 0 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 2       | 1     | 0 | 0 |                                   |    |    | X  |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 3       | 1     | 0 | 0 |                                   | X  |    |    |    | X  | X  |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 4       | 1     | 0 | 0 |                                   |    |    |    |    |    |    |    |    |     | X                         |    |    |                                           |    |    |    |    |    |
|         | 5       | 1     | 0 | 0 |                                   |    |    |    |    |    |    |    |    |     |                           |    | X  |                                           |    |    |    |    |    |
|         | 6       | 1     | 0 | 0 | X                                 |    |    |    |    |    |    |    | X  |     |                           |    |    |                                           |    |    |    |    |    |
|         | 7       | 1     | 0 | 0 |                                   |    |    |    |    |    |    |    |    |     |                           | X  |    |                                           |    |    |    |    |    |
|         | 8a      | 1     | 0 | 0 |                                   |    | X  |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 8b      | 0     | 1 | 0 |                                   |    | X  |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 9       | 0     | 1 | 0 |                                   |    |    |    |    |    |    | X  |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 10      | 0     | 2 | 0 |                                   |    |    | X  |    | X  |    |    |    | X   |                           |    |    |                                           |    |    |    |    |    |
|         | 11      | 0     | 1 | 0 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 12      | 0     | 1 | 0 |                                   |    |    |    |    |    |    |    |    |     | X                         |    |    |                                           |    |    |    |    |    |
|         | 13      | 0     | 0 | 1 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 14      | 0     | 0 | 1 |                                   | X  | X  | X  |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 15      | 0     | 0 | 1 |                                   |    |    |    |    |    |    |    | X  |     |                           |    |    |                                           |    |    |    |    |    |
|         | 16      | 0     | 0 | 1 |                                   | X  |    |    |    |    |    | X  |    |     |                           |    |    |                                           |    |    |    |    |    |
| C       | 17      | 3     | 2 | 4 | X                                 |    |    |    |    | X  | X  |    | X  |     |                           |    |    |                                           |    | X  |    | X  | X  |
|         | 18      | 2     | 0 | 0 |                                   |    |    | X  |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 19      | 1     | 1 | 0 | X                                 |    |    |    | X  |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 20      | 0     | 2 | 0 | X                                 |    |    |    | X  |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 21a     | 0     | 1 | 0 | X                                 | X  |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
|         | 21b     | 0     | 1 | 1 |                                   | X  |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
| D       | 22a     | 1     | 0 | 0 |                                   |    |    |    |    | X  | X  |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 22b     | 1     | 0 | 0 |                                   |    | X  |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
|         | 23      | 2     | 0 | 0 |                                   | X  |    | X  |    |    |    |    |    |     |                           |    |    |                                           |    |    |    |    |    |
|         | 24      | 1     | 1 | 0 |                                   |    |    | X  |    |    |    |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
|         | 25a     | 1     | 0 | 0 |                                   |    |    |    |    |    |    |    |    |     |                           |    |    | X                                         |    |    | X  | X  |    |
|         | 25b     | 1     | 0 | 0 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    | X                                         |    |    | X  | X  |    |
|         | 25c     | 0     | 1 | 0 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    | X                                         |    |    | X  | X  |    |
|         | 26      | 0     | 3 | 0 | X                                 |    |    |    | X  |    | X  |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
|         | 27      | 0     | 2 | 0 |                                   |    |    |    |    |    | X  |    | X  |     |                           |    |    |                                           | X  |    |    | X  |    |
|         | 28      | 0     | 2 | 0 |                                   |    |    |    |    |    | X  |    |    |     |                           |    | X  |                                           |    |    | X  |    |    |
|         | 29a     | 1     | 0 | 0 |                                   |    |    |    |    |    |    |    |    |     | X                         |    |    |                                           |    |    |    |    |    |
|         | 29b     | 0     | 2 | 1 |                                   |    |    |    |    |    |    |    |    |     | X                         |    |    |                                           |    |    |    |    |    |
|         | 30a     | 1     | 1 | 0 | X                                 |    |    |    |    |    |    |    |    |     |                           |    |    |                                           |    |    |    | X  |    |
|         | 30b     | 0     | 1 | 2 | X                                 |    |    |    | X  |    |    |    |    |     |                           |    |    |                                           | X  |    |    | X  |    |
|         | 31      | 0     | 0 | 3 | X                                 |    |    |    |    |    |    |    | X  |     |                           |    |    |                                           |    | X  |    |    |    |
|         | 32      | 0     | 0 | 3 | X                                 |    |    |    | X  |    | X  |    | X  |     |                           |    |    |                                           |    | X  |    |    |    |

# Provsammanställning – förmågor matematik 1b

Nationellt prov i matematik 1b vt 2022

| Del-prov | Uppg. Poäng      | Nivå | Begrepp | Procedur | Problemlösning | Modellering | Resonemang | Kommunikation |
|----------|------------------|------|---------|----------|----------------|-------------|------------|---------------|
| B        | 1                | E    |         | X        |                |             |            |               |
|          | 2                | E    |         | X        |                |             |            |               |
|          | 3                | E    |         |          |                | X           |            |               |
|          | 4                | E    |         | X        |                |             |            |               |
|          | 5                | E    | X       |          |                |             |            |               |
|          | 6                | E    |         | X        |                |             |            |               |
|          | 7                | E    | X       |          |                |             |            |               |
|          | 8a               | E    | X       |          |                |             |            |               |
|          | 8b               | C    | X       |          |                |             |            |               |
|          | 9                | C    |         | X        |                |             |            |               |
|          | 10 <sub>1</sub>  | C    |         |          |                | X           |            |               |
|          | 10 <sub>2</sub>  | C    |         |          |                | X           |            |               |
|          | 11               | C    |         | X        |                |             |            |               |
|          | 12               | C    |         |          | X              |             |            |               |
|          | 13               | A    | X       |          | X              |             |            |               |
|          | 14               | A    | X       |          |                |             |            |               |
|          | 15               | A    |         |          | X              |             |            |               |
| C        | 16               | A    | X       |          |                |             |            |               |
|          | 17 <sub>1</sub>  | E    |         | X        |                |             |            |               |
|          | 17 <sub>2</sub>  | E    |         |          | X              |             |            |               |
|          | 17 <sub>3</sub>  | C    |         |          | X              |             |            |               |
|          | 17 <sub>4</sub>  | C    | X       |          |                |             |            |               |
|          | 17 <sub>5</sub>  | A    |         |          |                | X           |            |               |
|          | 17 <sub>6</sub>  | A    |         |          | X              |             |            |               |
|          | 17 <sub>7</sub>  | A    |         | X        |                |             |            |               |
|          | 17 <sub>8</sub>  | E    |         |          |                |             | X          |               |
|          | 17 <sub>9</sub>  | A    |         |          |                |             |            | X             |
|          | 18 <sub>1</sub>  | E    |         | X        |                |             |            |               |
|          | 18 <sub>2</sub>  | E    |         | X        |                |             |            |               |
|          | 19 <sub>1</sub>  | E    |         | X        |                |             |            |               |
|          | 19 <sub>2</sub>  | C    |         | X        |                |             |            |               |
|          | 20 <sub>1</sub>  | C    |         | X        |                |             |            |               |
|          | 20 <sub>2</sub>  | C    |         | X        |                |             |            |               |
|          | 21a              | C    |         |          |                | X           |            |               |
|          | 21b <sub>1</sub> | C    | X       |          |                | X           |            |               |
|          | 21b <sub>2</sub> | A    | X       |          |                |             |            | X             |

| Del-prov | Uppg. Poäng      | Nivå | Begrepp | Procedur | Problemlösning | Modellering | Resonemang | Kommunikation |
|----------|------------------|------|---------|----------|----------------|-------------|------------|---------------|
| D        | 22a              | E    | X       |          |                | X           |            |               |
|          | 22b              | E    | X       |          |                |             |            |               |
|          | 23 <sub>1</sub>  | E    |         |          | X              |             |            |               |
|          | 23 <sub>2</sub>  | E    |         |          |                | X           |            |               |
|          | 24 <sub>1</sub>  | E    |         |          |                | X           |            |               |
|          | 24 <sub>2</sub>  | C    |         |          |                |             | X          |               |
|          | 25a              | E    | X       |          |                |             |            |               |
|          | 25b              | E    | X       |          |                |             |            |               |
|          | 25c              | C    | X       |          |                |             |            |               |
|          | 26 <sub>1</sub>  | C    |         |          | X              |             |            | X             |
|          | 26 <sub>2</sub>  | C    |         | X        |                |             |            |               |
|          | 26 <sub>3</sub>  | C    | X       |          |                |             |            |               |
|          | 27 <sub>1</sub>  | C    |         | X        |                | X           |            |               |
|          | 27 <sub>2</sub>  | C    | X       | X        |                |             |            |               |
|          | 28 <sub>1</sub>  | C    | X       |          |                |             |            |               |
|          | 28 <sub>2</sub>  | C    |         | X        | X              |             |            |               |
|          | 29a              | E    | X       |          |                |             |            |               |
|          | 29b <sub>1</sub> | C    | X       |          |                |             |            |               |
|          | 29b <sub>2</sub> | C    |         |          | X              |             |            |               |
|          | 29b <sub>3</sub> | A    |         | X        |                |             |            |               |
|          | 30a <sub>1</sub> | E    |         |          |                | X           |            |               |
|          | 30a <sub>2</sub> | C    |         | X        |                |             |            |               |
|          | 30b <sub>1</sub> | C    |         |          | X              | X           |            |               |
|          | 30b <sub>2</sub> | A    |         | X        |                |             |            |               |
|          | 30b <sub>3</sub> | A    |         |          | X              |             | X          |               |
|          | 31 <sub>1</sub>  | A    |         |          | X              |             |            |               |
|          | 31 <sub>2</sub>  | A    |         | X        |                |             |            |               |
|          | 31 <sub>3</sub>  | A    |         | X        |                |             |            | X             |
|          | 32 <sub>1</sub>  | A    | X       |          |                |             |            | X             |
|          | 32 <sub>2</sub>  | A    |         | X        |                |             |            | X             |
|          | 32 <sub>3</sub>  | A    |         |          | X              |             |            |               |

