Topic: **A TECHNIQUE OF DEMOGRAPHIC PROCESSES STUDYING**

**Task 1.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 53400 | 54300 |
| Number of live births | 918 | 461 |
| Number of deaths | 1100 | 540 |
| The number of children who died at the age of 0-1 years. | 6 | 11 |
| The number of children who died at the age of 0-28 days | 3 | 9 |
| The number of children who died at the age of 0-6 days | 2 | 7 |
| The number of children who died at the age of 7-28 days | 1 | 2 |
| The number of children who died at the age of 29 days is 1 year | 3 | 2 |

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**Task 2.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 76700 | 85500 |
| Number of live births | 1281 | 769 |
| Number of deaths | 1100 | 540 |
| The number of children who died at the age of 0-1 years. | 27 | 10 |
| The number of children who died at the age of 0-28 days | 13 | 7 |
| The number of children who died at the age of 0-6 days | 9 | 5 |
| The number of children who died at the age of 7-28 days | 4 | 2 |
| The number of children who died at the age of 29 days is 1 year | 14 | 3 |

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**Task 3.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 73200 | 82400 |
| Number of live births | 1128 | 625 |
| Number of deaths | 1200 | 540 |
| The number of children who died at the age of 0-1 years. | 25 | 9 |
| The number of children who died at the age of 0-28 days | 14 | 6 |
| The number of children who died at the age of 0-6 days | 8 | 4 |
| The number of children who died at the age of 7-28 days | 6 | 2 |
| The number of children who died at the age of 29 days is 1 year | 11 | 3 |

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**Task 4.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 34600 | 38400 |
| Number of live births | 557 | 273 |
| Number of deaths | 560 | 212 |
| The number of children who died at the age of 0-1 years. | 9 | 5 |
| The number of children who died at the age of 0-28 days | 3 | 4 |
| The number of children who died at the age of 0-6 days | 3 | 3 |
| The number of children who died at the age of 7-28 days | 0 | 1 |
| The number of children who died at the age of 29 days is 1 year | 6 | 1 |

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**Task 5.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 256200 | 279700 |
| Number of live births | 5824 | 4335 |
| Number of deaths | 5600 | 5420 |
| The number of children who died at the age of 0-1 years. | 90 | 37 |
| The number of children who died at the age of 0-28 days | 71 | 25 |
| The number of children who died at the age of 0-6 days | 63 | 19 |
| The number of children who died at the age of 7-28 days | 8 | 6 |
| The number of children who died at the age of 29 days is 1 year | 19 | 12 |

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**Task 6.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 21200 | 18400 |
| Number of live births | 295 | 328 |
| Number of deaths | 310 | 340 |
| The number of children who died at the age of 0-1 years. | 8 | 5 |
| The number of children who died at the age of 0-28 days |  5 | 3 |
| The number of children who died at the age of 0-6 days | 3 | 2 |
| The number of children who died at the age of 7-28 days | 2 | 1 |
| The number of children who died at the age of 29 days is 1 year | 3 | 2 |

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**Task 7.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 53400 | 54300 |
| Number of live births | 918 | 461 |
| Number of deaths | 1100 | 540 |
| The number of children who died at the age of 0-1 years. | 12 | 5 |
| The number of children who died at the age of 0-28 days | 10 | 3 |
| The number of children who died at the age of 0-6 days | 8 | 3 |
| The number of children who died at the age of 7-28 days | 2 | 0 |
| The number of children who died at the age of 29 days is 1 year | 2 |  2 |

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**Task 8.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 30200 | 31600 |
| Number of live births | 625 | 357 |
| Number of deaths | 620 | 340 |
| The number of children who died at the age of 0-1 years. | 12 | 5 |
| The number of children who died at the age of 0-28 days | 7 | 3 |
| The number of children who died at the age of 0-6 days | 5 | 2 |
| The number of children who died at the age of 7-28 days | 2 | 1 |
| The number of children who died at the age of 29 days is 1 year | 5 | 2 |

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**Task 9.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 23700 | 23150 |
| Number of live births | 484 | 328 |
| Number of deaths | 456 | 340 |
| The number of children who died at the age of 0-1 years. | 8 | 6 |
| The number of children who died at the age of 0-28 days | 7 | 4 |
| The number of children who died at the age of 0-6 days | 5 | 3 |
| The number of children who died at the age of 7-28 days | 1 | 1 |
| The number of children who died at the age of 29 days is 1 year | 1 | 2 |

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**Task 10.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 26300 | 25400 |
| Number of live births | 538 | 321 |
| Number of deaths | 540 | 360 |
| The number of children who died at the age of 0-1 years. | 12 | 5 |
| The number of children who died at the age of 0-28 days | 8 | 3 |
| The number of children who died at the age of 0-6 days | 6 | 2 |
| The number of children who died at the age of 7-28 days | 2 | 1 |
| The number of children who died at the age of 29 days is 1 year | 4 | 2 |

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**Task 11.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 20100 | 21100 |
| Number of live births | 412 | 236 |
| Number of deaths | 420 | 210 |
| The number of children who died at the age of 0-1 years. | 11 | 4 |
| The number of children who died at the age of 0-28 days | 7 | 3 |
| The number of children who died at the age of 0-6 days | 5 | 2 |
| The number of children who died at the age of 7-28 days | 2 | 1 |
| The number of children who died at the age of 29 days is 1 year | 4 | 1 |

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**Task 12.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 22400 | 39300 |
| Number of live births | 305 | 249 |
| Number of deaths | 280 | 210 |
| The number of children who died at the age of 0-1 years. | 5 | 3 |
| The number of children who died at the age of 0-28 days | 3 | 2 |
| The number of children who died at the age of 0-6 days | 2 | 1 |
| The number of children who died at the age of 7-28 days | 1 | 1 |
| The number of children who died at the age of 29 days is 1 year | 2 | 1 |

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**Task 13.**

The table shows data on the natural movement of the population of one of the districts of the Orenburg region. Calculate the birth rate, mortality, infant mortality rates, intensive and extensive infant mortality rates by period. Compare how the natural movement indexes changed in 2007 and 2017. Rate the results. Write a conclusion.

|  |  |  |
| --- | --- | --- |
|  | **2007 year** | **2017 year**  |
| Population | 30200 | 33150 |
| Number of live births | 670 | 485 |
| Number of deaths | 540 | 512 |
| The number of children who died at the age of 0-1 years. | 13 | 6 |
| The number of children who died at the age of 0-28 days | 11 | 4 |
| The number of children who died at the age of 0-6 days | 8 | 2 |
| The number of children who died at the age of 7-28 days | 3 | 2 |
| The number of children who died at the age of 29 days is 1 year | 2 | 2 |

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