

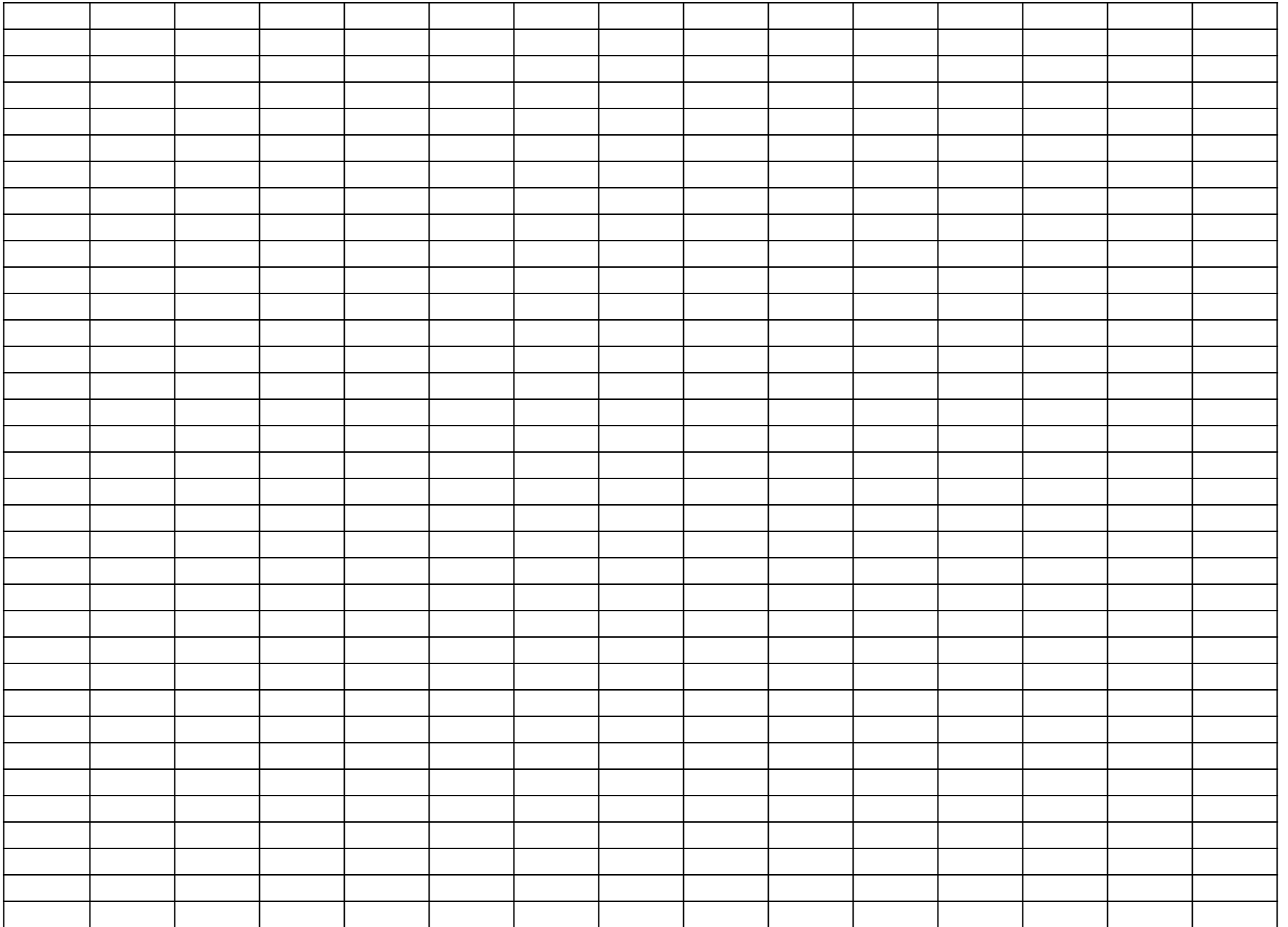
| 3.4.5 – Number of research Publications in the Journals notified on UGC website during the year 2018 | | | | | | | | |
|---|---|---|--------------------------------------|--|----------------------------|--------------------|---|----------------------|
| S.No | Title of paper | Name of the author/s | Department of teacher | Name of journal | Year of publication | ISSN number | Link to the recognition in UGC enlistment of the Journal | Impact factor |
| 1 | Solar power utility section in India: challenges and opportunities | Rathore P.K. S., Rathore S., Singh R. P., Agnihotri S | Department of Mechanical Engineering | Renewable and Sustainable Energy Reviews | 2018 | 1364-0321 | https://www.sciencedirect.com/science/article/abs/pii/S1364032117310171 | 12.11 |
| 2 | An Experimental Study On Solar Water Heater Integrated With Phase Change Material | Rathore, P. K. S. | Department of Mechanical Engineering | Lectures note in mechanical engineering | 2018 | 978-981-13-6416-7 | https://link.springer.com/chapter/10.1007/978-981-13-6416-7_33 | |
| 3 | Optimization of Design Parameters of Go-Kart | Vaibhav., Kukreja N | Department of Mechanical Engineering | International Journal of Engineering Applied Sciences and Technology | 2018 | 2455-2143 | https://www.researchgate.net/publication/332112230_OPTIMIZATION_OF_DESIGN_PARAMETERS_OF_GO-KART | |
| 4 | Nusselt number optimization for double pass solar air heater having V-shape ribs as roughness element using genetic algorithm | Sharma S., Sharma H., Bhardwaj G., Varun | Department of Mechanical Engineering | International Journal of Mechanical Engineering and Technology (IJMET) | 2018 | 0976-6359 | http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_13/IJMET_09_13_132.pdf | |
| 5 | Perspectives of solar photovoltaic water pumping for irrigation in India | Rathore, P. K. S., Das, S.S., Chauhan, D.S | Department of Mechanical Engineering | Energy Strategy Review | 2018 | 2211-467X | https://www.sciencedirect.com/science/article/abs/pii/S2211467X18300993 | 3.895 |
| 6 | An evaluative observation on impact of optical properties of nanofluids in performance of photo-thermal concentrating systems | Verma S. K., Tiwari A.K., Tripathi M | Department of Mechanical Engineering | Solar Energy | 2018 | 0038-092X | https://www.sciencedirect.com/science/article/abs/pii/S0038092X18310867 | 4.608 |

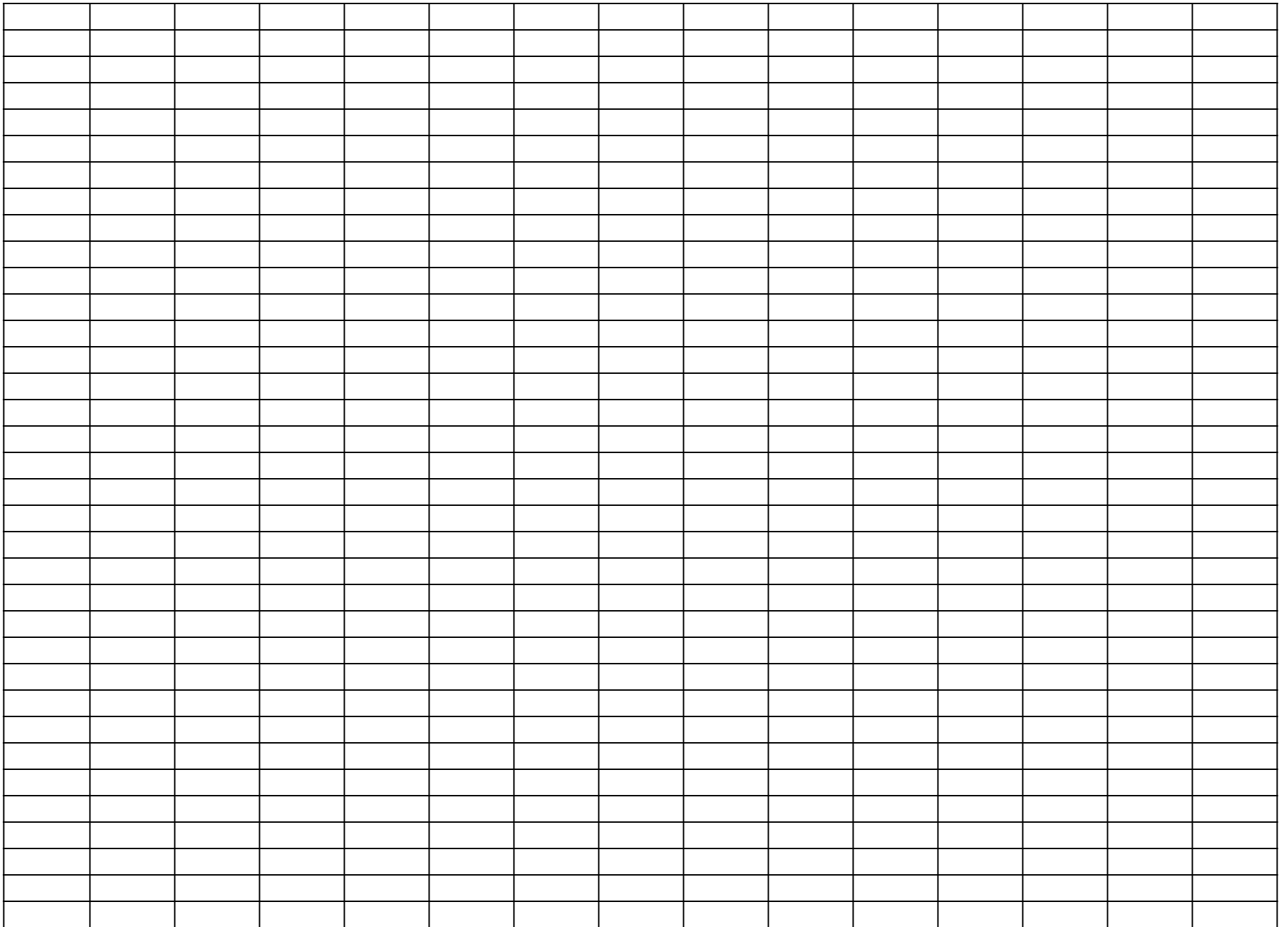
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| 7 | Molecular Dynamics Simulation of Glass Transition Behavior of Polymer based Nanocomposites | Singh P.K., Sharma K., | Department of Mechanical Engineering | Journal of Scientific and industrial research | 2018 | 0975-1084 | http://nopr.niscair.res.in/handle/123456789/45110 | |
| 8 | Experimental study of the thermal performance of nanofluid-filled and nanoparticles-coated mesh wick heat pipes, | Gupta N. K., Tiwari A. K., Ghosh S.K | Department of Mechanical Engineering | Journal of Heat Transfer, Transactions of ASME | 2018 | | https://asmedigitalcollection.asme.org/heattransfer/article-abstract/140/10/102403/374541/Experimental-Study-of-Thermal-Performance-of | 1.787 |
| 9 | Experimental Investigation of Mesh Wick Heat Pipe, Heat Transfer Research | Gupta N. K., Tiwari A. K., Ghosh S.K | Department of Mechanical Engineering | Begell House | 2018 | 1793–1811 | https://www.researchgate.net/publication/324954896_Experimental_investigation_of_thermal_performance_of_mesh_wick_heat_pipe | 0.93 |
| 10 | ., Optimization of nusselt number for inclined ribs used as roughness Element in solar air heater duct | Bhardwaj, G., Sharma, H., Sharma A., Singhal P | Department of Mechanical Engineering | International Journal of Mechanical Engineering and Technology (IJMET) | 2018 | 2272–2276 | https://www.researchgate.net/publication/331272590_Optimization_of_nusselt_number_for_Inclined_ribs_used_as_roughness_element_in_solar_air_heater_duct | |
| 11 | Effect of tool geometry of friction stir welding on mechanical properties of aa-7075 aluminum alloy | Shahbuddin, Dwivedi V.K., | Department of Mechanical Engineering | International Journal of Mechanical Engineering and Technology (IJMET), | 2018 | 625–633 | http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_6/IJMET_09_06_071.pdf | |
| 12 | Performance analysis of hybrid nanofluids in flat plate solar collector as an advanced working fluid | Verma S. K., Tiwari A. K., Tiwari S., Chauhan D. S | Department of Mechanical Engineering | Solar Energy | 2018 | 0038-092X | https://www.sciencedirect.com/science/article/abs/pii/S0038092X18303621 | 4.608 |
| 13 | Study of Friction Stir Welding – A Review | Shahabuddin, Dwivedi V.K. | Department of Mechanical Engineering | International Journal of Latest Trends in Engineering and Technology | 2018 | 2278-621X | https://www.ijltet.org/journal_details.php?id=927&j_id=4338 | |

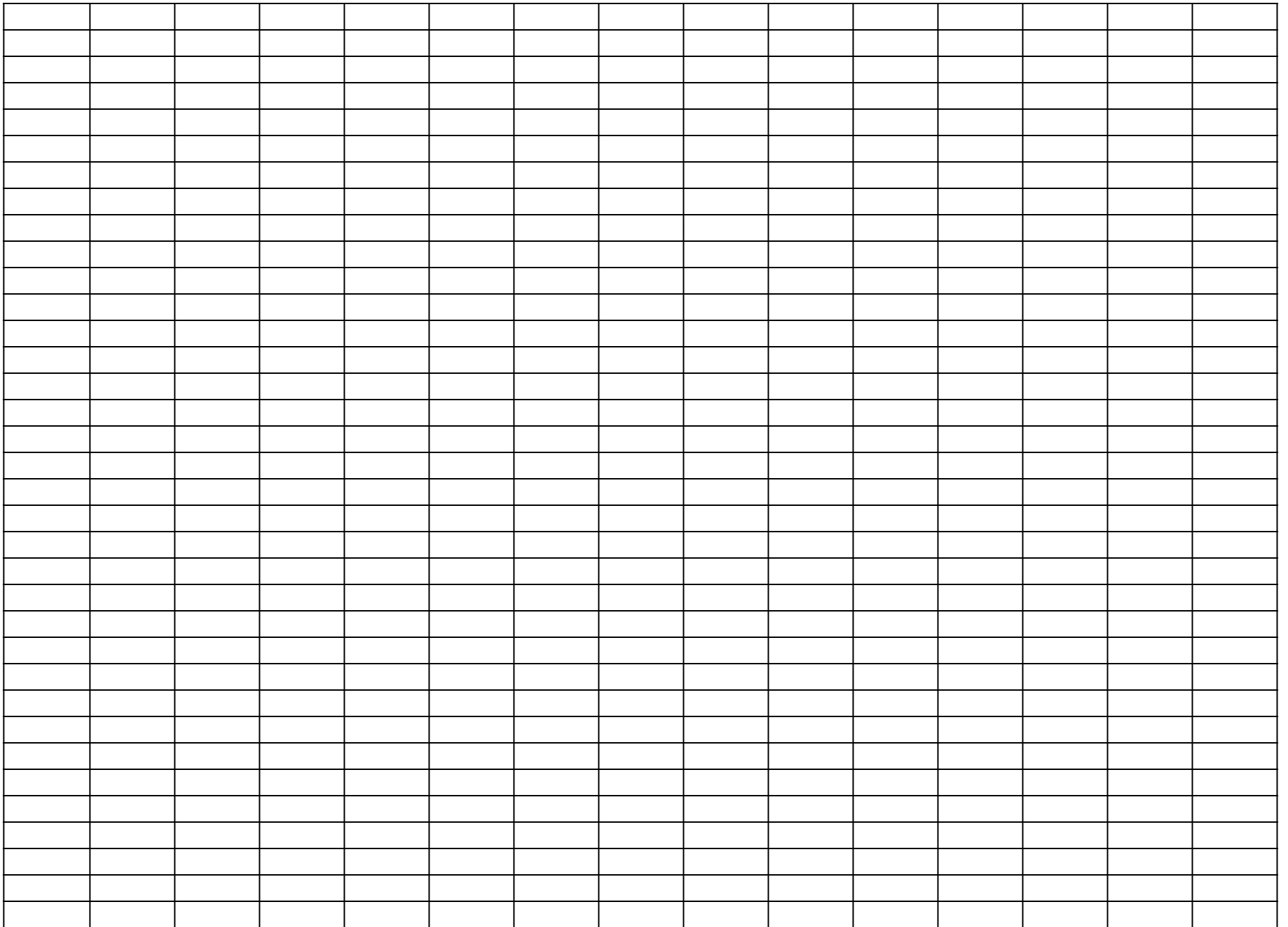
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| 14 | Fabrication and Design of Fixture with a New Technique for Friction Stir Welding | Shahabuddin, Dwivedi V.K | Department of Mechanical Engineering | International Journal of Engineering Technology Science and Research | 2018 | 2394-3386 | http://www.ijetsr.com/images/short_pdf/1517753107_1540-1544-oitm826_ijetsr.pdf | |
| 15 | Replacement of Kevlar with Spider Silk in Body Armour | Sharma A., Dwivedi V.K., | Department of Mechanical Engineering | World Journal of Technology | 2018 | | http://www.ijetsr.com/images/short_pdf/1517753107_1540-1544-oitm826_ijetsr.pdf | |
| 16 | Hot deformation behavior of Zr-1Nb alloy in two phase region microstructure and mechanical properties | Saxena K.K., Suresh K.S., Kulkarni R.V., Krishna K.V. M., Pancholi V., Srivastava D | Department of Mechanical Engineering | , Journal of Alloy & Compound | 2018 | 0925-8388 | https://www.researchgate.net/publication/322300088_Hot_deformation_behavior_of_Zr-1Nb_alloy_in_two-phase_region_-microstructure_and_mechanical_properties | 4.15 |
| 17 | Mechanical & Visco Elastic properties of In-Situ Amine Functionalized multiple layer graphene/ epoxy Nanocomposites | Singh P.K., Sharma K., | Department of Mechanical Engineering | Current Nano Science | 2018 | 1875-6786 | https://www.eurekaselect.com/158477/article | 1.836 |
| 18 | Heat Transfer Mechanism in Heat Pipe using Nanofluids - A Review | Gupta N.K., Tiwari A.K., Ghosh S.K | Department of Mechanical Engineering | Experimental Thermal and Fluid Science | 2018 | 0894-1777 | https://www.sciencedirect.com/science/article/abs/pii/S0894177717302455#:~:text=Significant%20enhancement%20of%2040%25%20in,water.&text=Thermal%20performance%20increased%20with%20increase,properties%20of%20the%20working%20fluid. | 3.444 |
| 19 | Investigation of Metal Matrix Composite Obtained Through Powder Metallurgy for its Dependence of Surface and Bulk Property on Particle Size and Their Distribution | Kumar A | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | | |

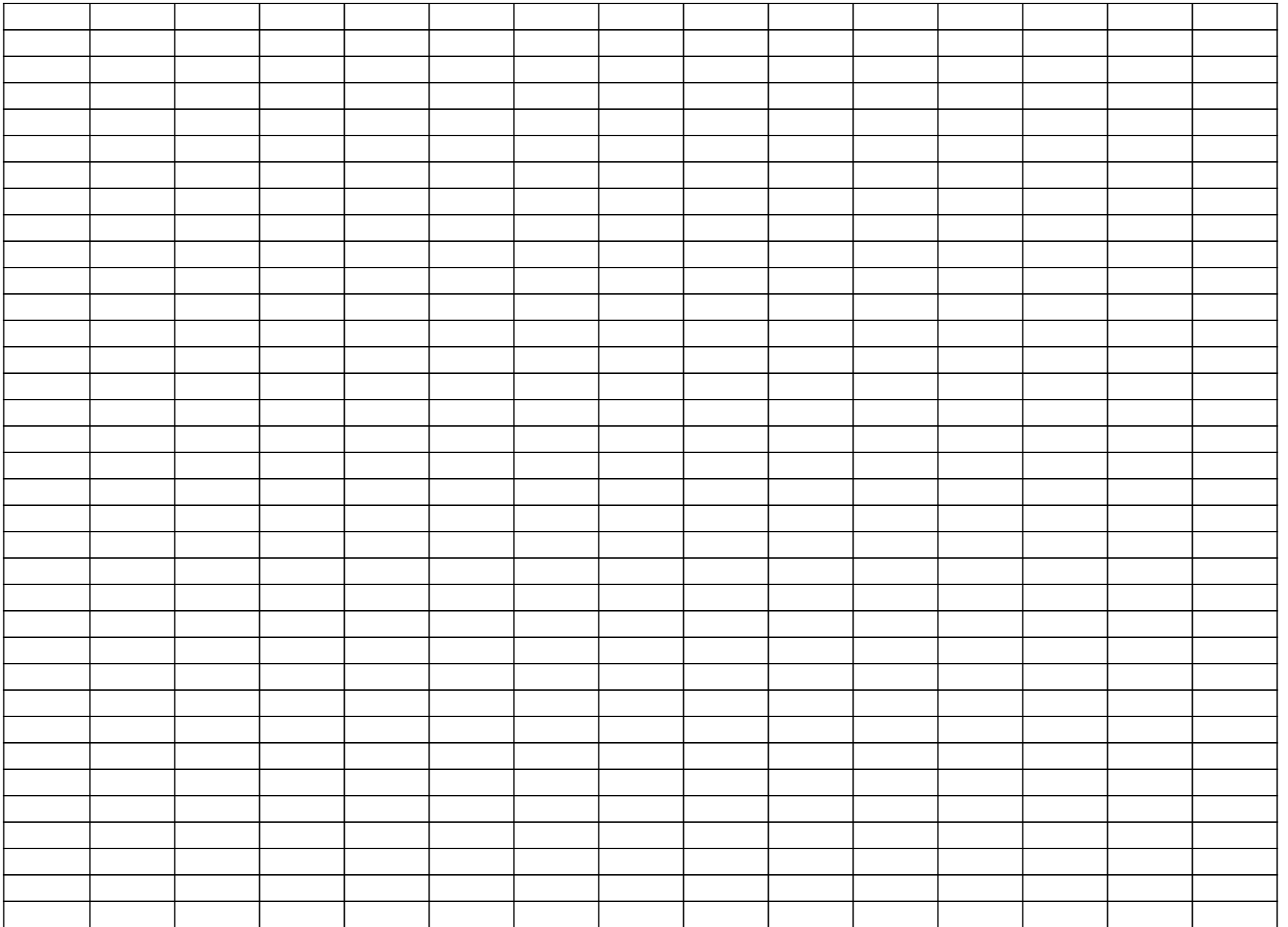
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| 20 | Modeling of industrial supply networks to make them more effective by handling disruptions and uncertainties using MATLAB | Sharma R.K., Singhal P | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | https://www.researchgate.net/publication/325169794_Modeling_of_Industrial_supply_networks_to_make_them_more_effective_by_handling_disruptions_and_uncertainties_using_MATLAB | |
| 21 | Synthesis and dynamic mechanical analysis of hybrid reinforced polymer nano-composites, International Journal of Engineering and Advanced Technology (IJEAT) | Soni A., Sonia P., | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | | |
| 22 | Experimental investigation for optimization of process parameters of EDM for Titanium grade 5 alloy (Ti6AL4V) using Taguchi method | Sharma A.K., Bhardwaj G., Singh B | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | | |
| 23 | Multiobjective optimization of submerged arc welding parameters on AISI 5130 alloy steel using Taguchi method | Singh B., Singhal P., Sharma A., | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | https://www.researchgate.net/publication/325441418_Multiobjective_Optimization_of_Submerged_Arc_Welding_Parameters_on_AISI_5130_Alloy_Steel_using_Taguchi_Method | |
| 24 | Correlations development of Nusselt number and friction factor of roughened double pass solar air heater duct, | Bhardwaj G., Sharma V., Sharma A | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | | |
| 25 | CFD analysis of free surface flow over Broad-Crested Weir using volume of fluid method, | Dixit P., Deshmukh T. S., | Department of Mechanical Engineering | International Journal of Engineering and Advanced Technology (IJEAT) | 2018 | 2249 – 8958 | | |

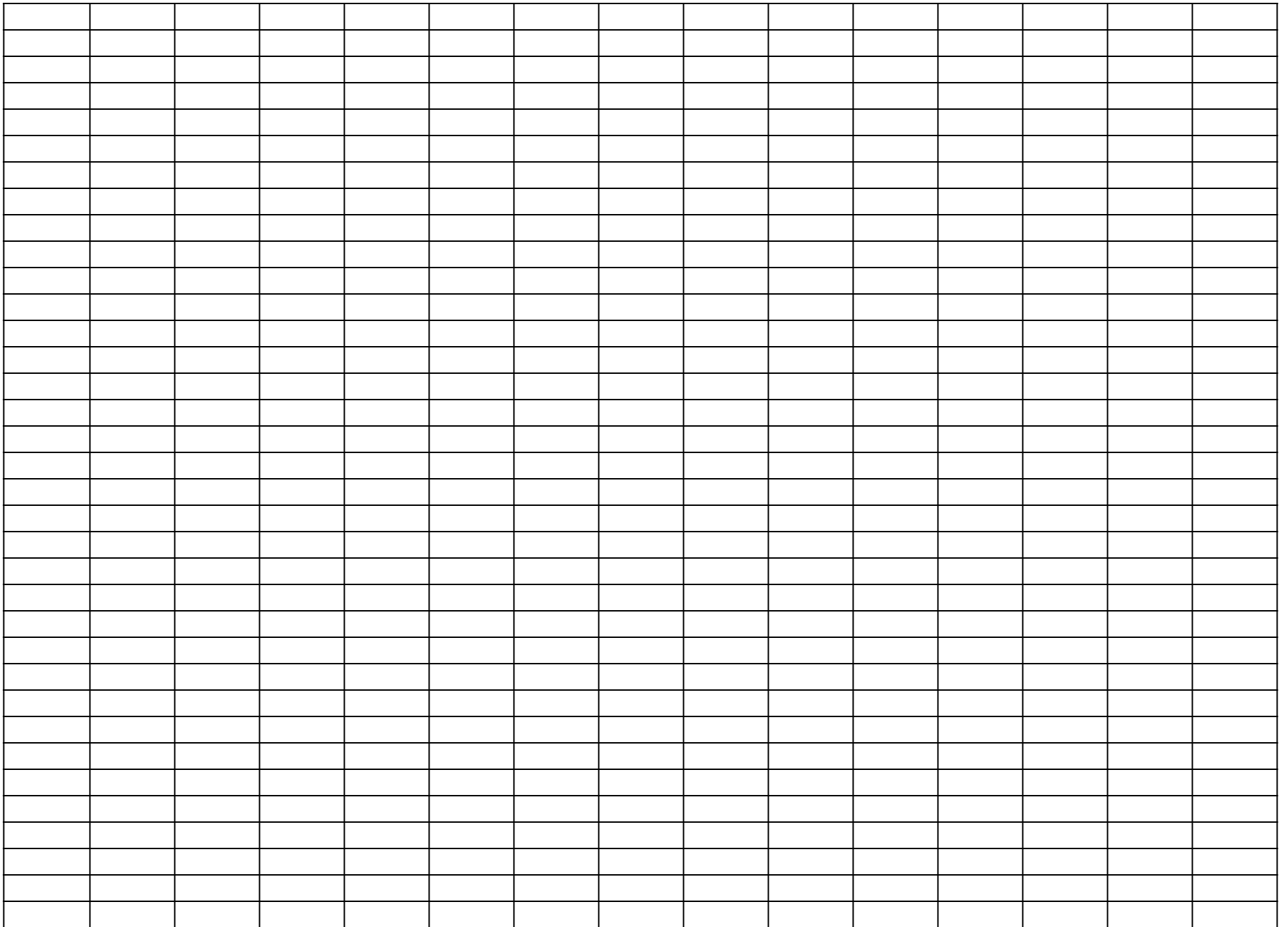
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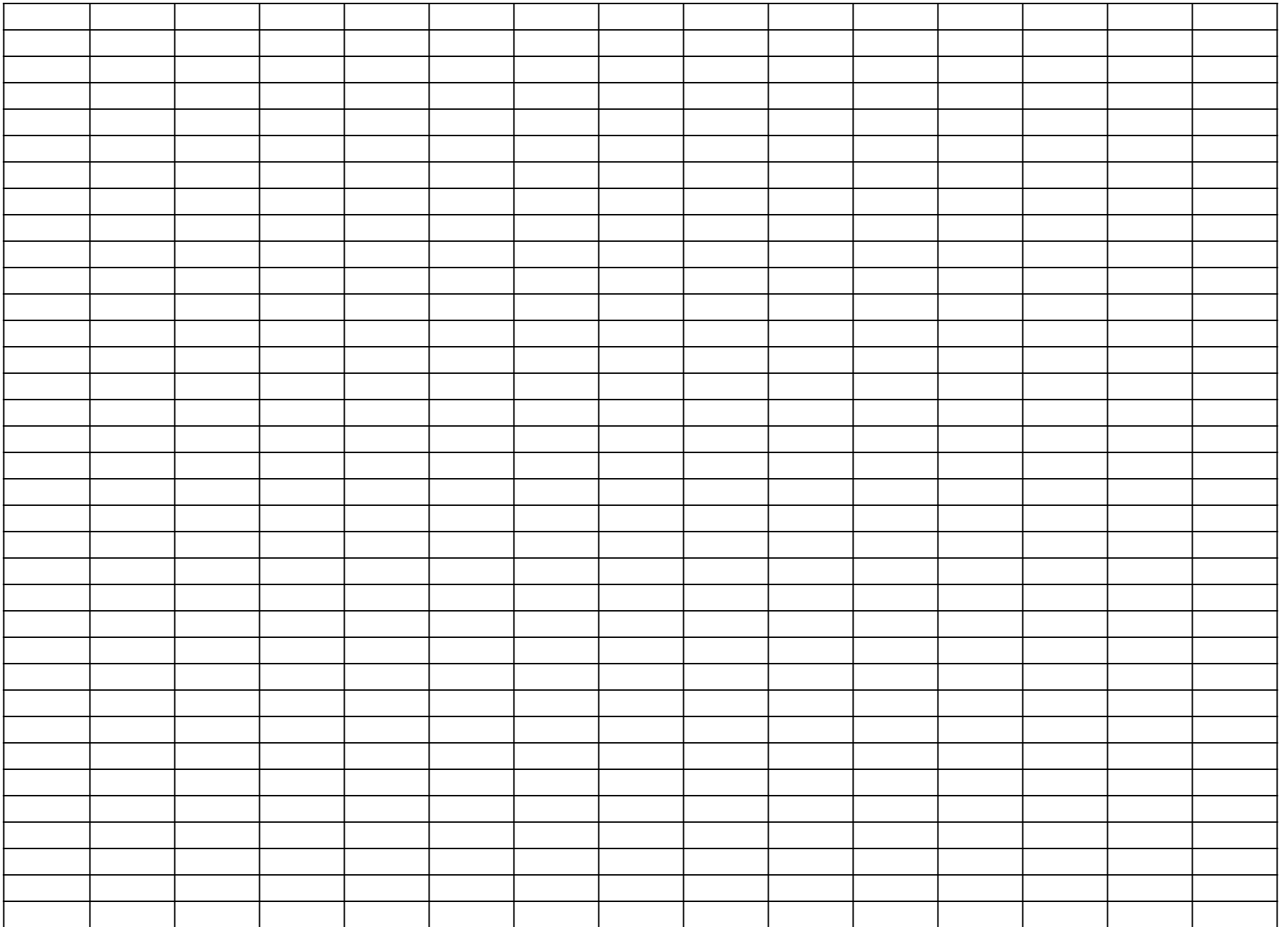


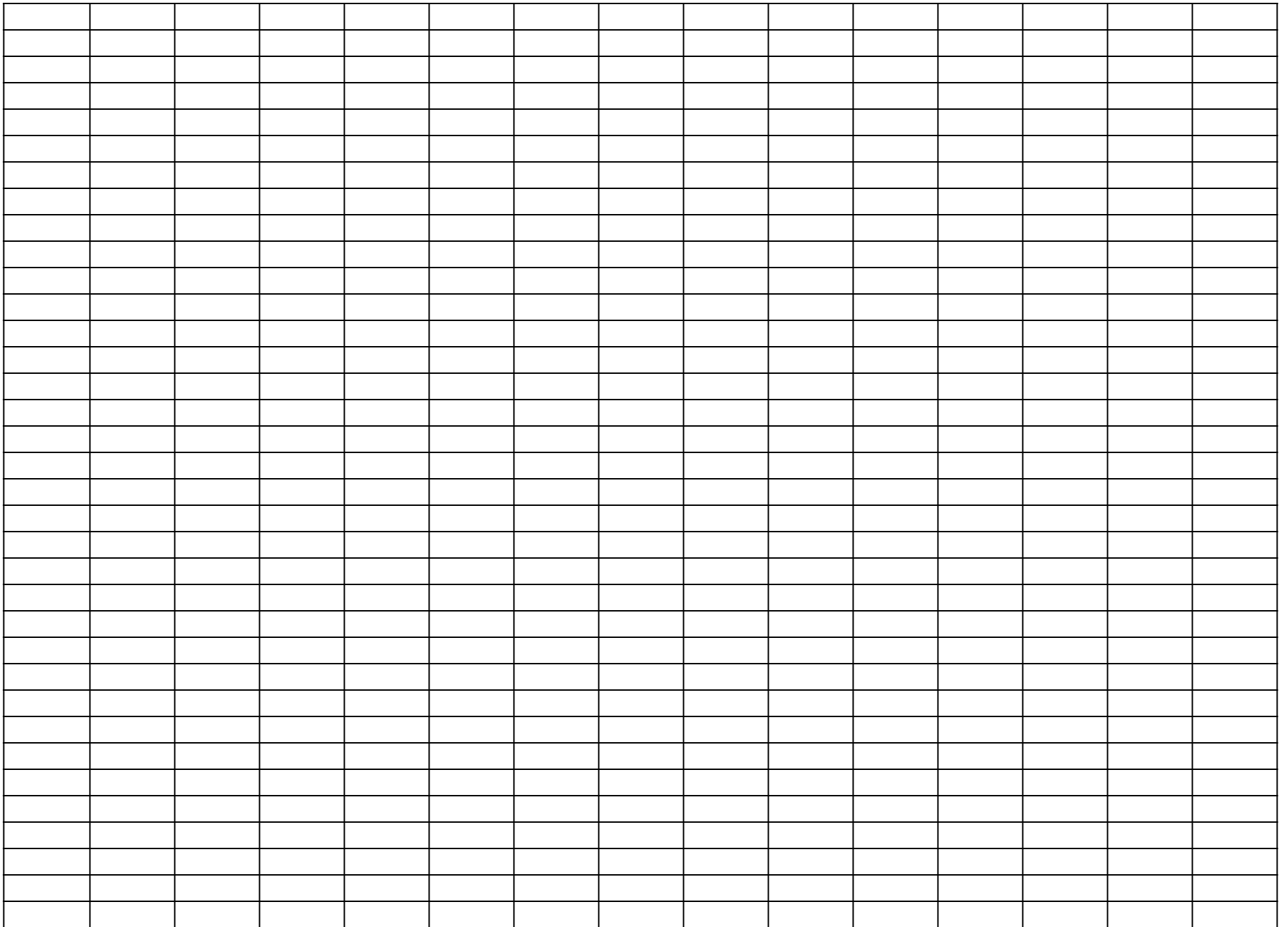


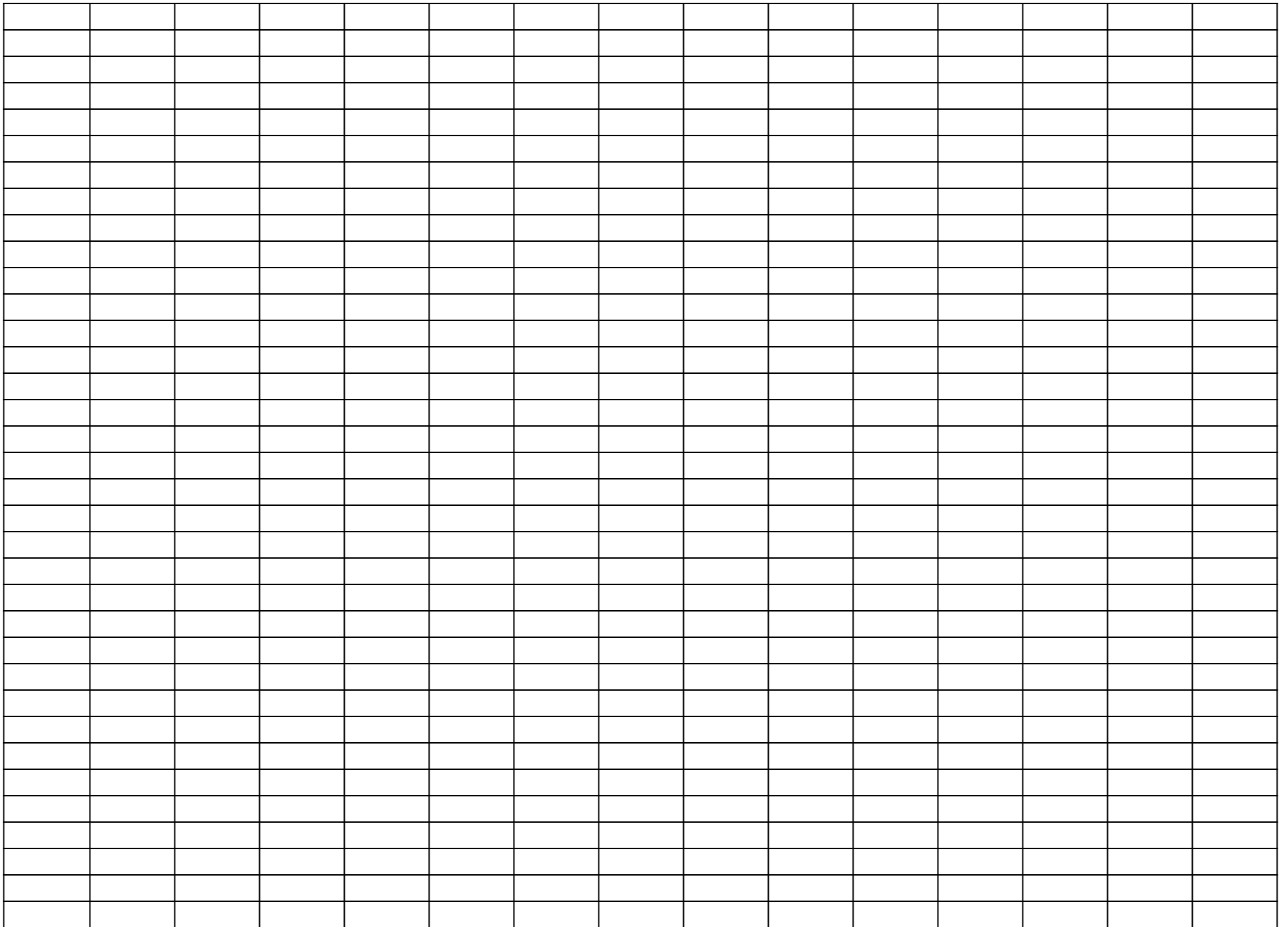


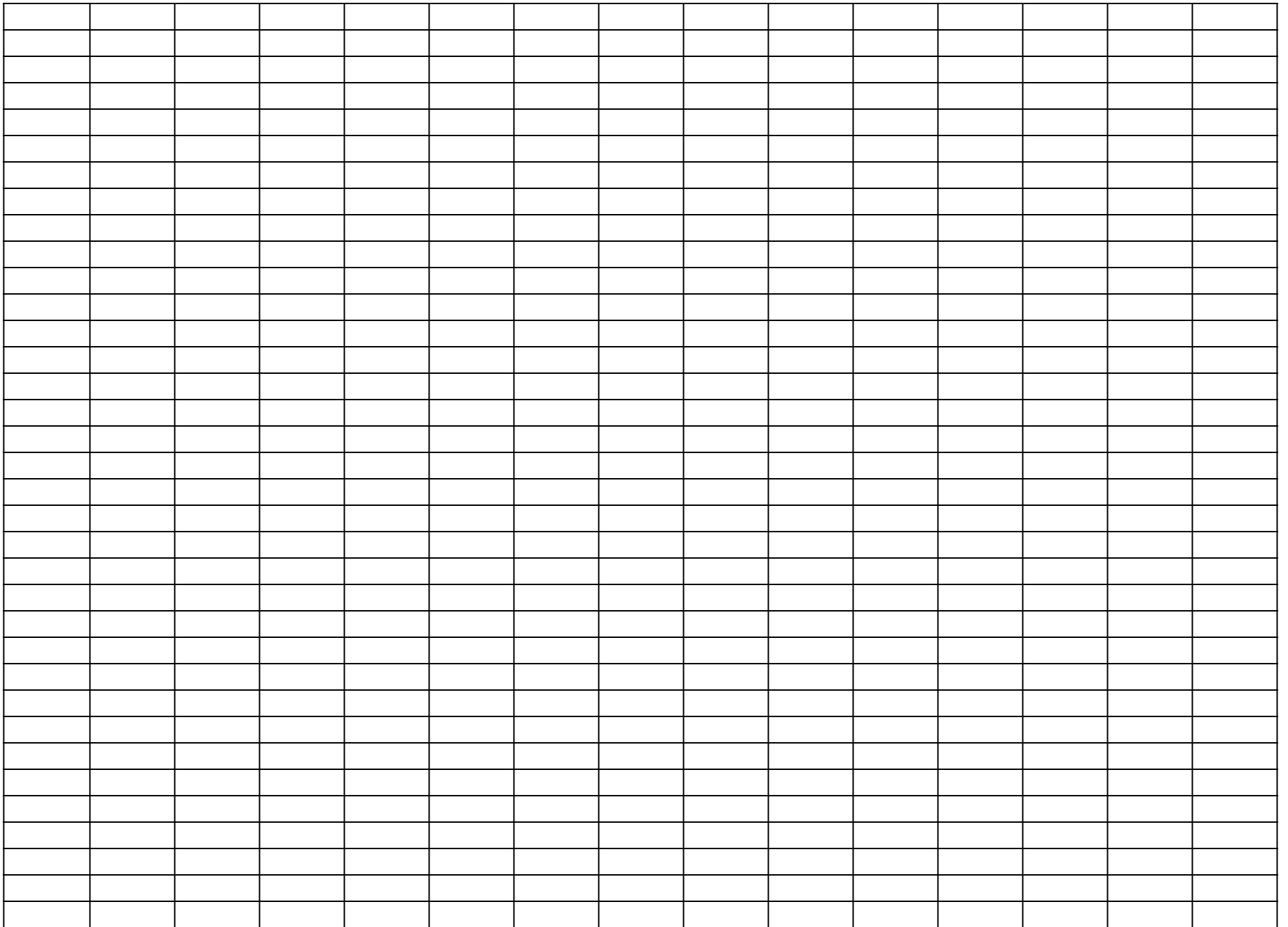


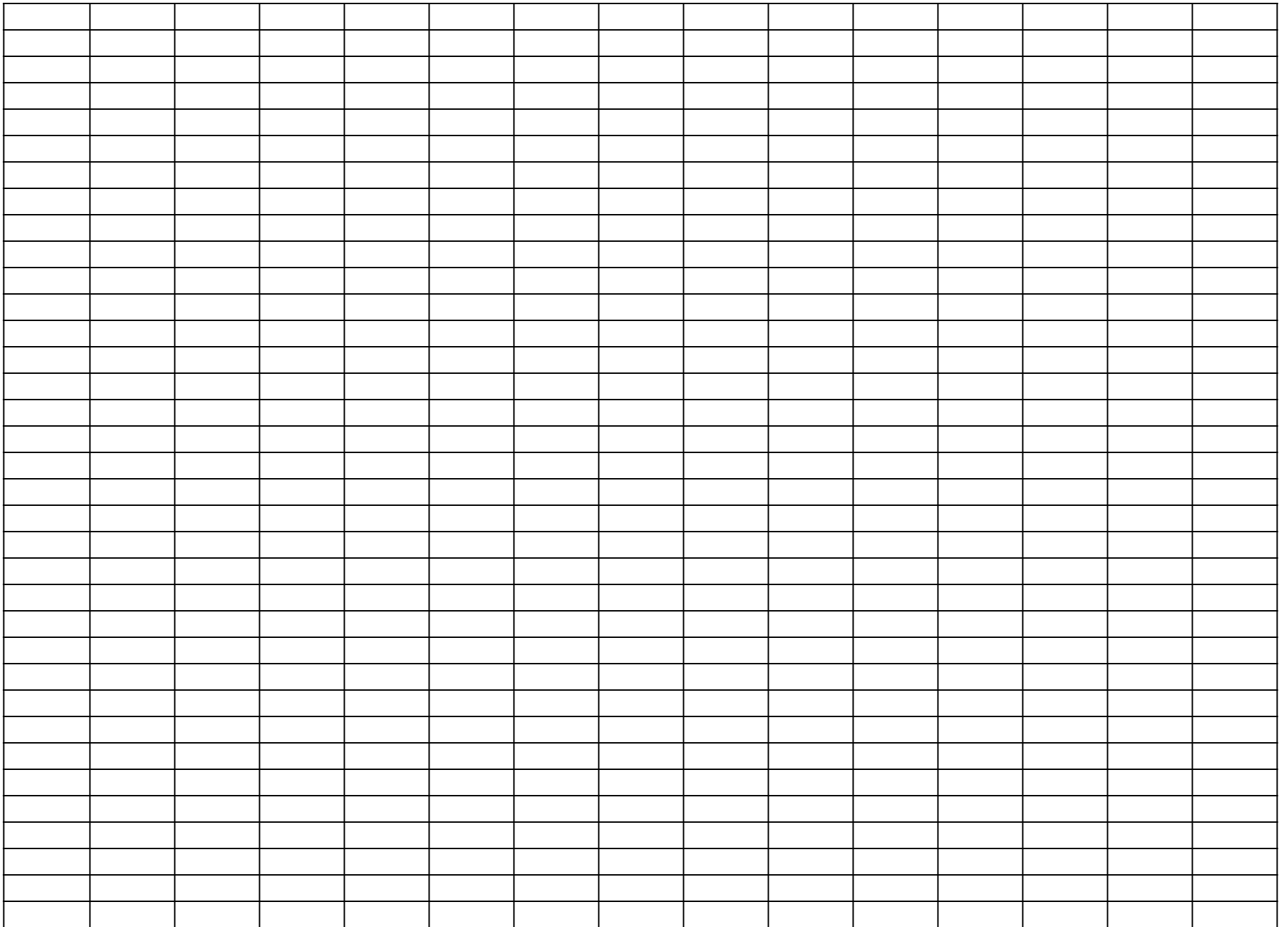


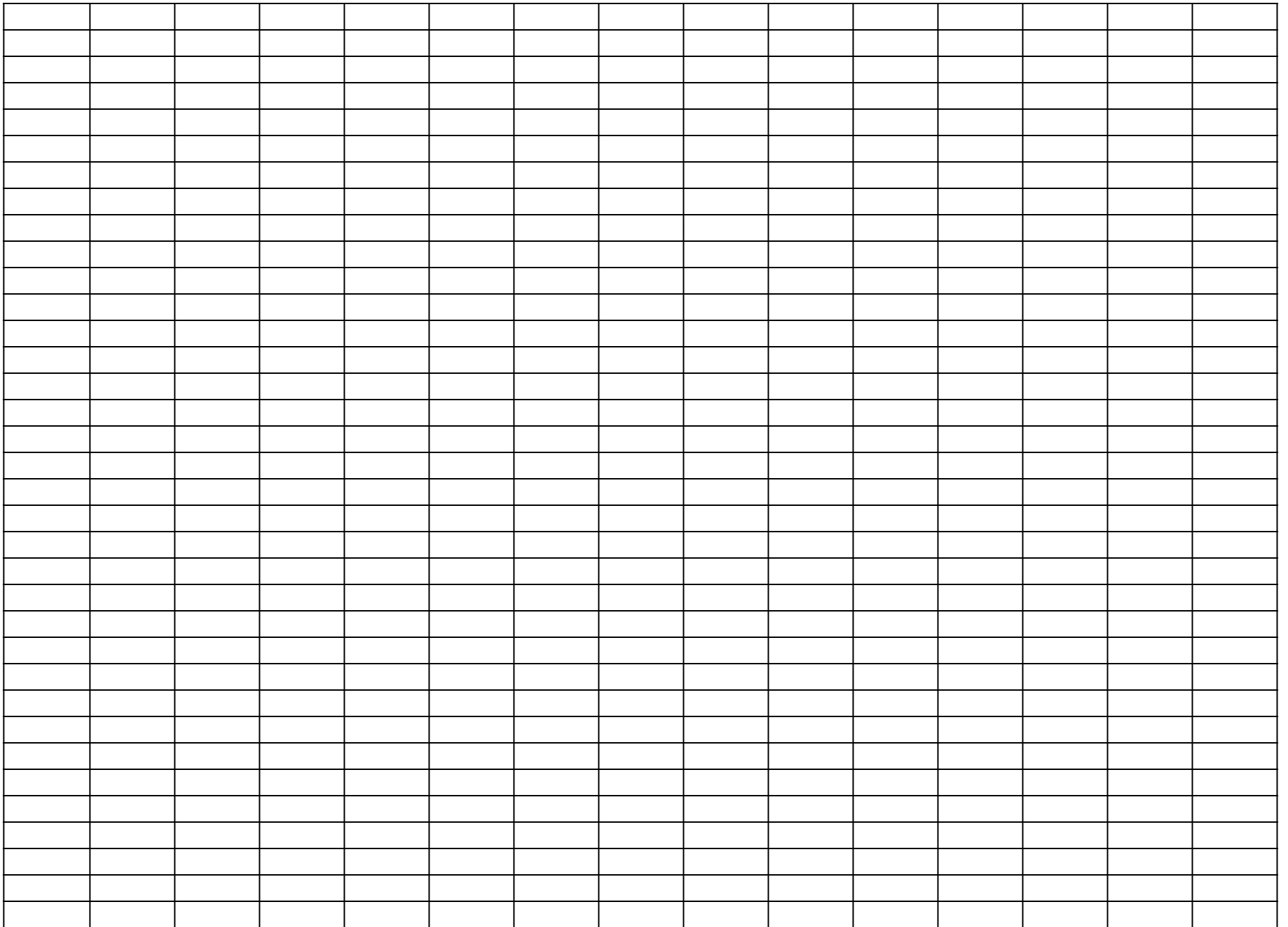


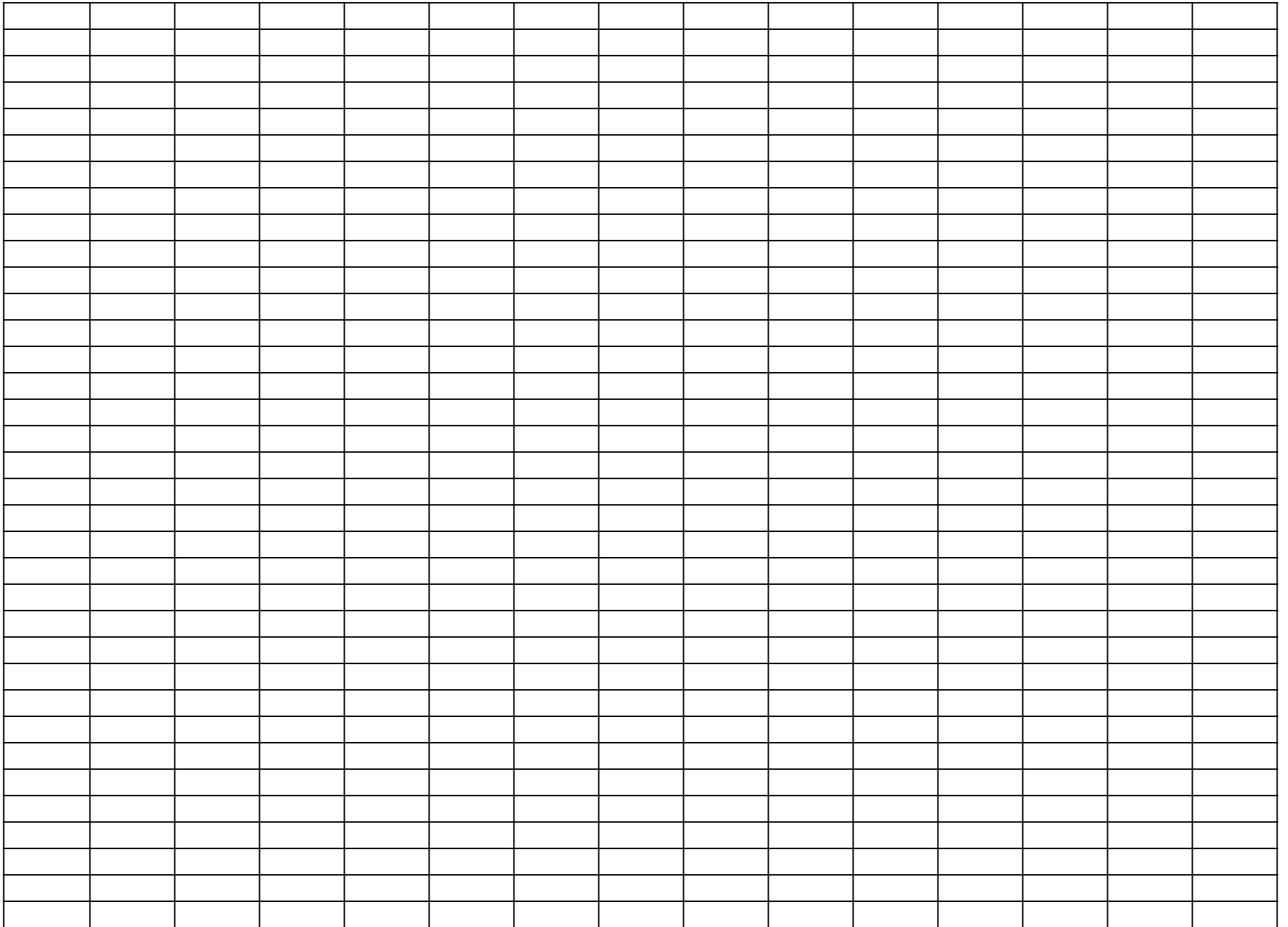


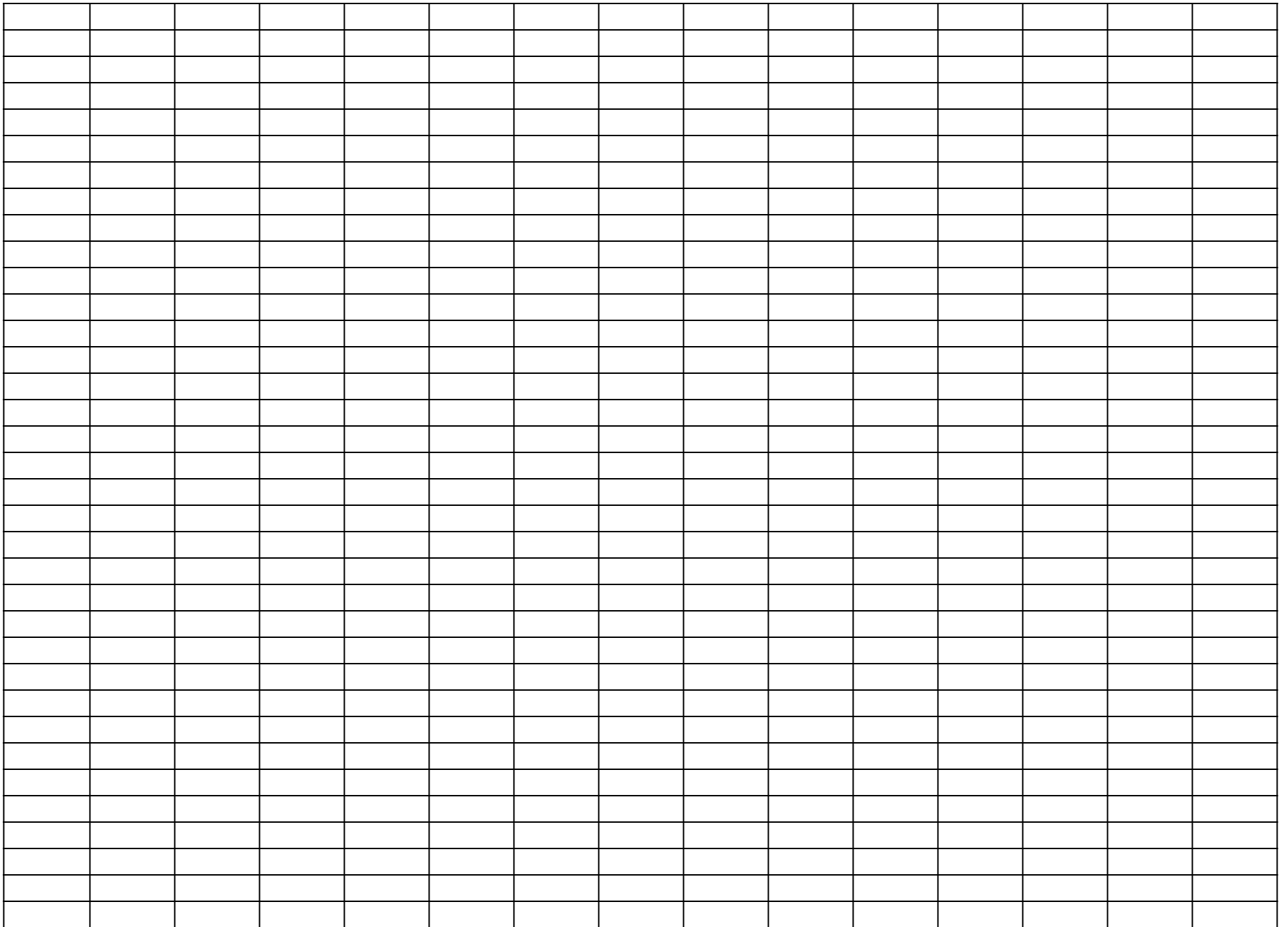


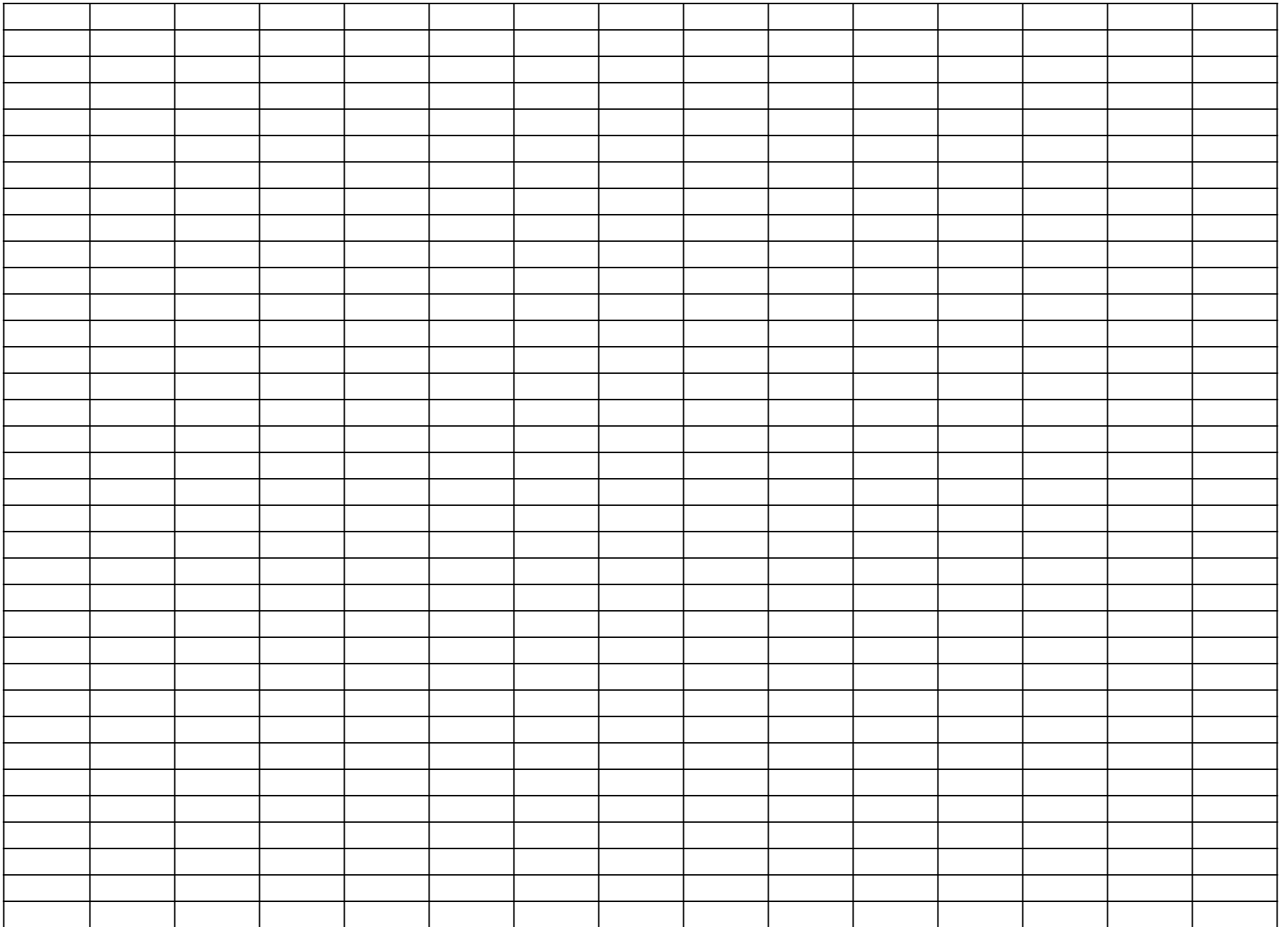


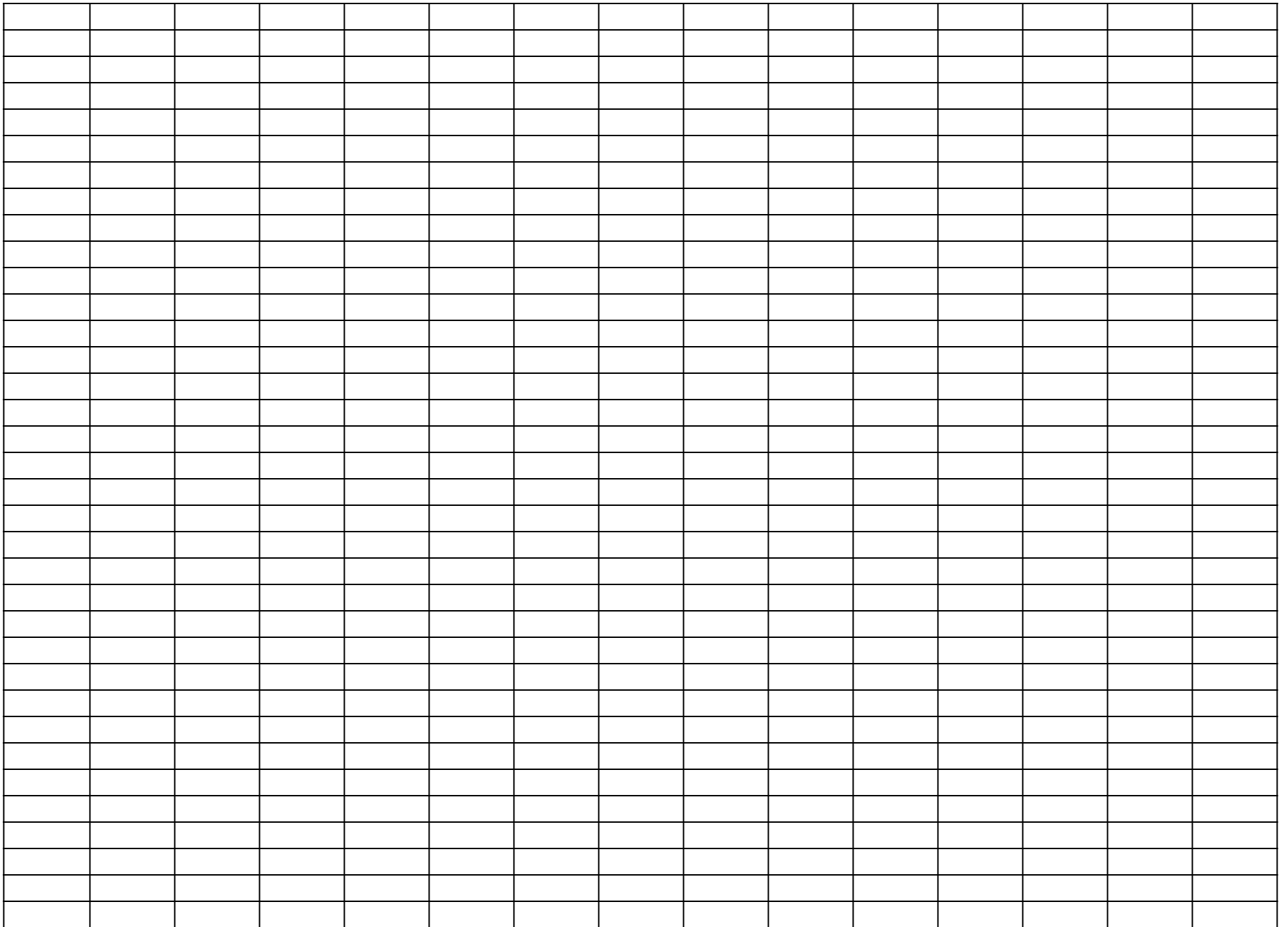


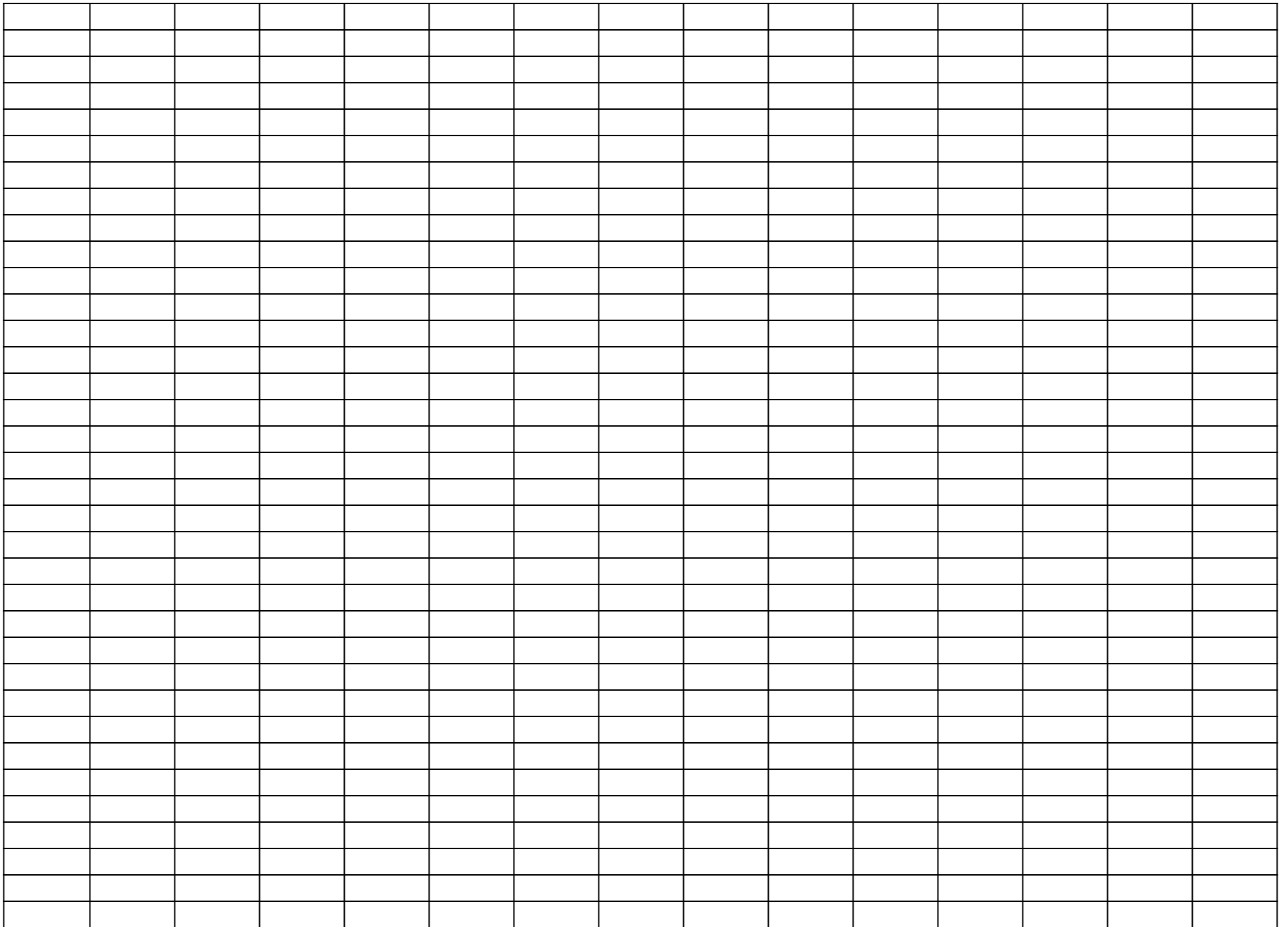


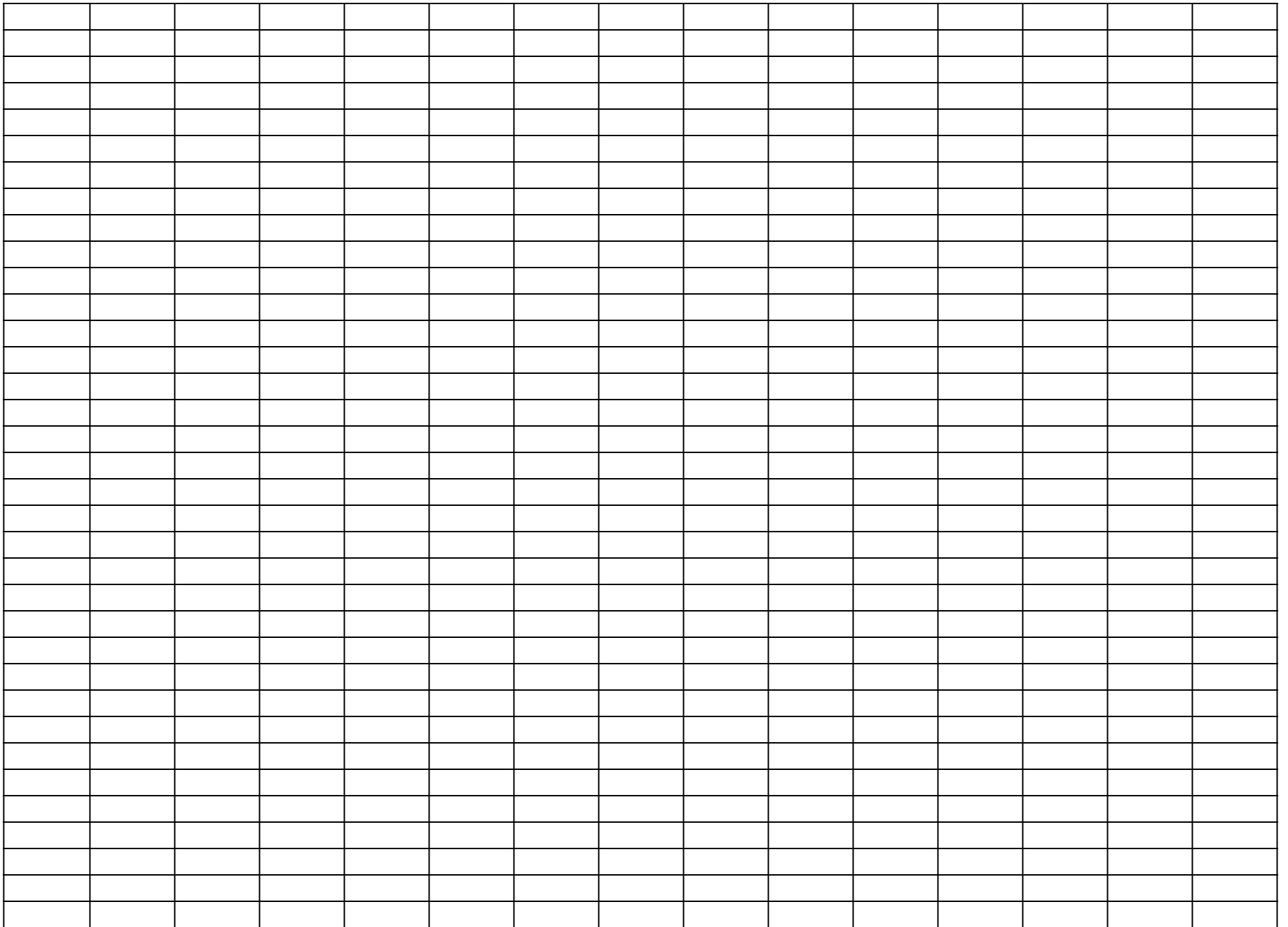


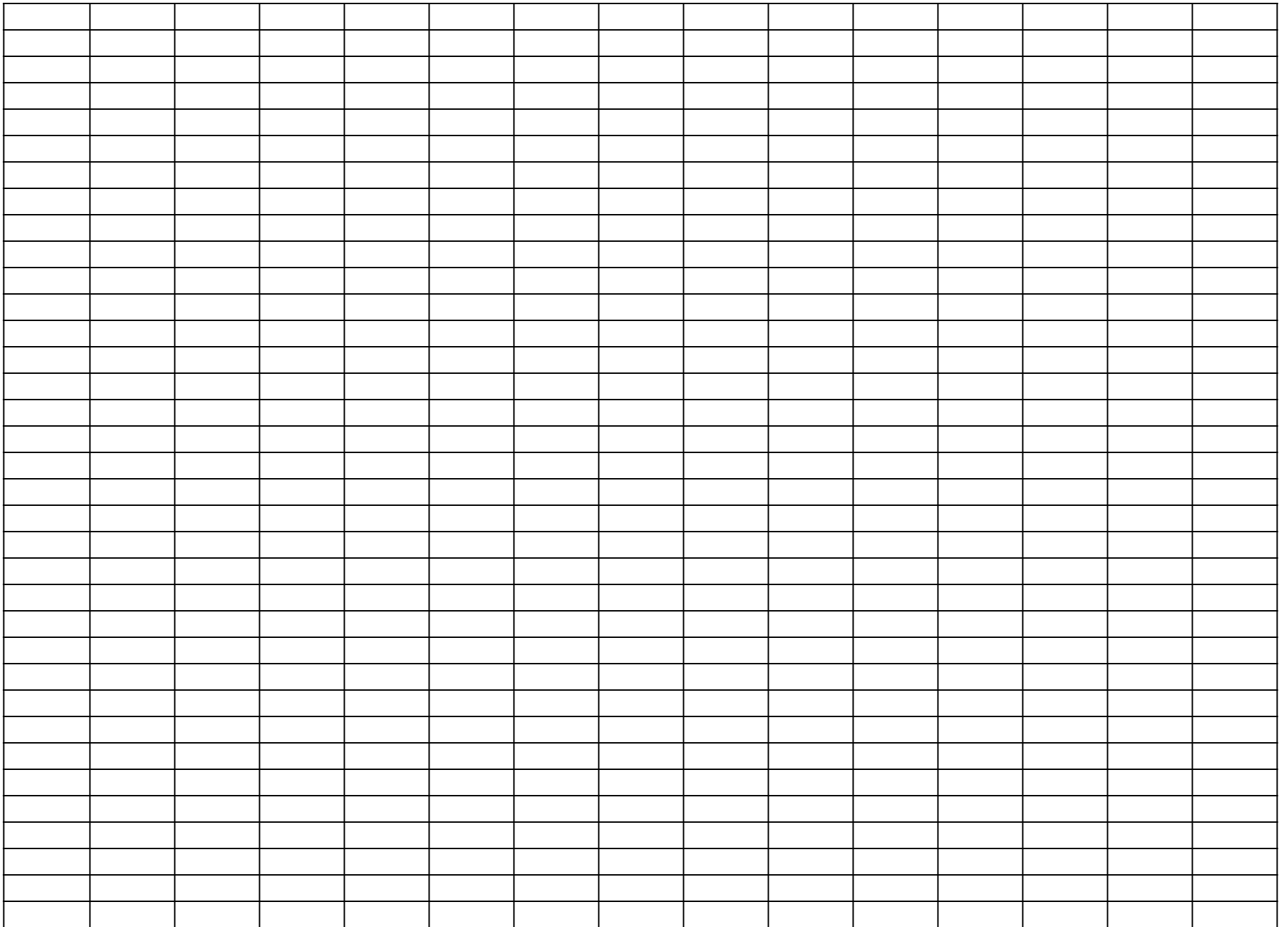


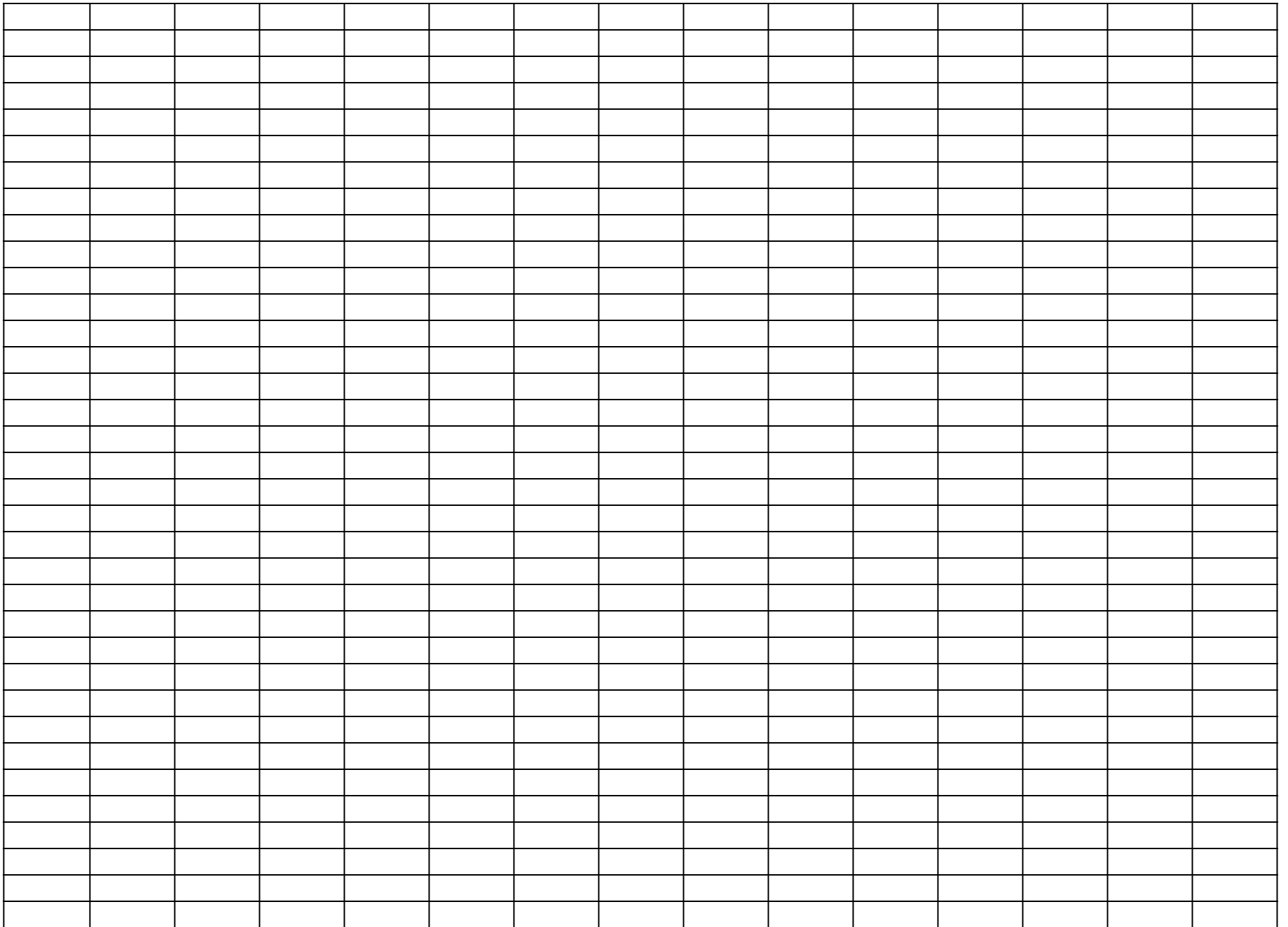


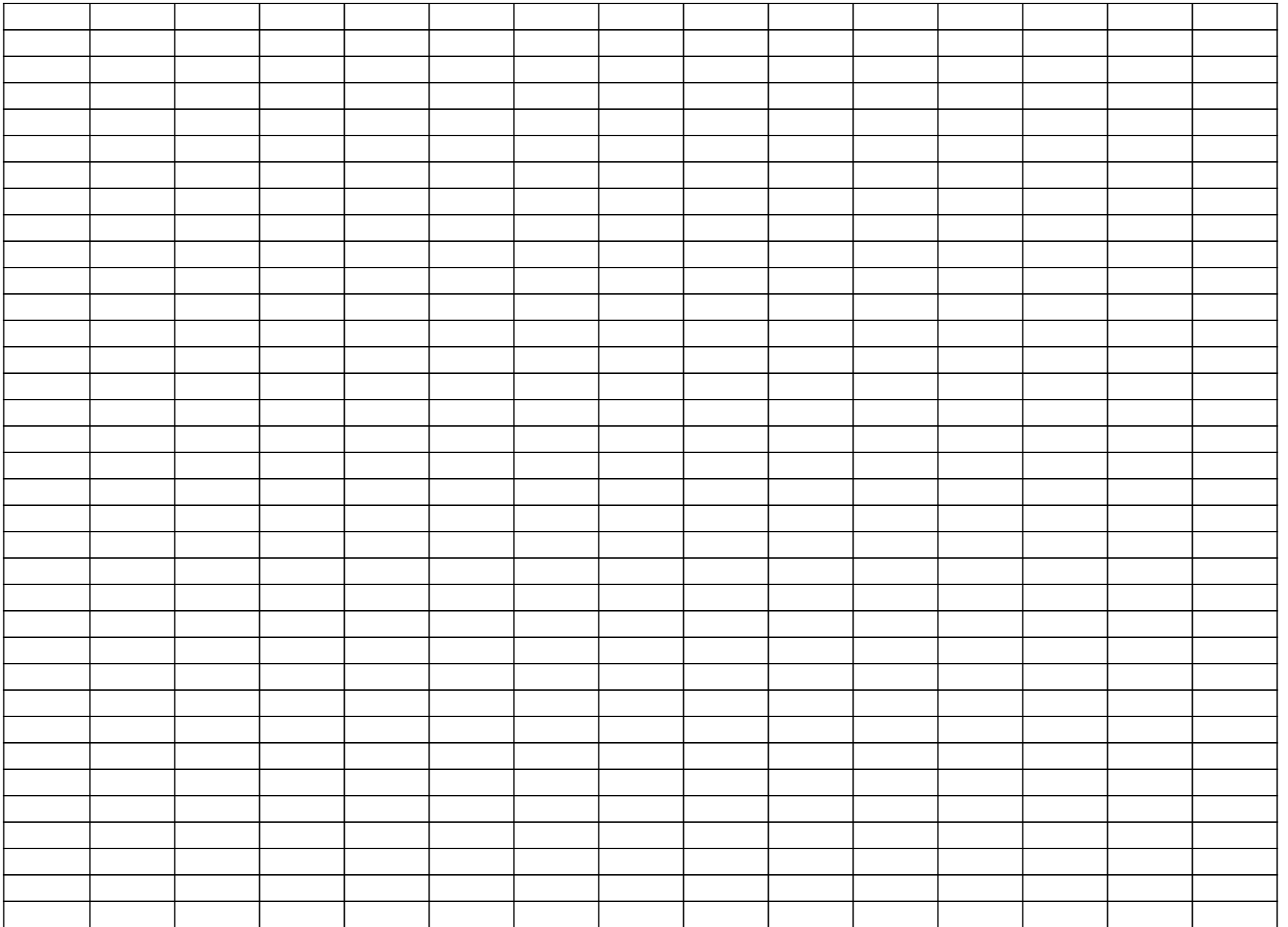


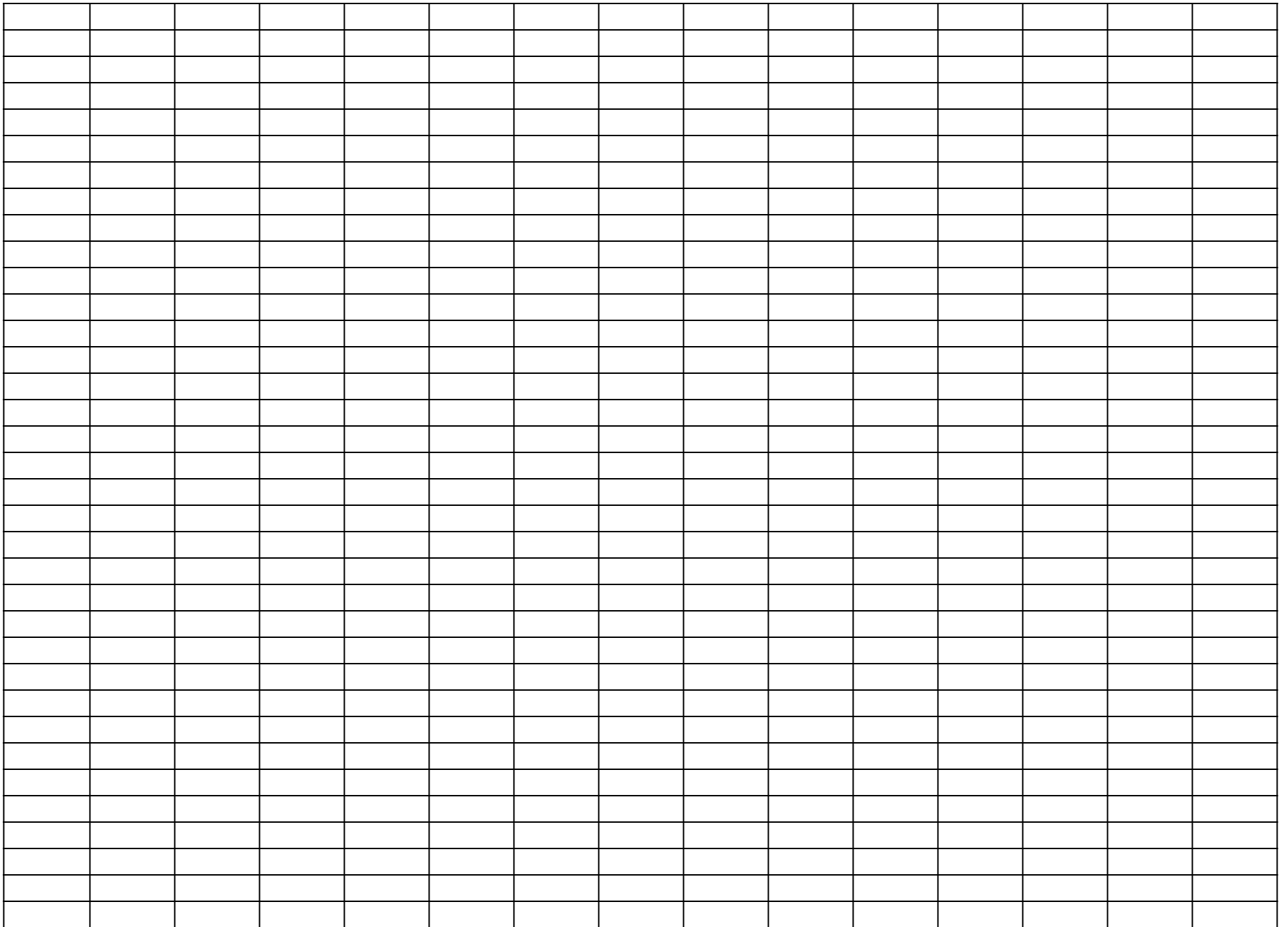


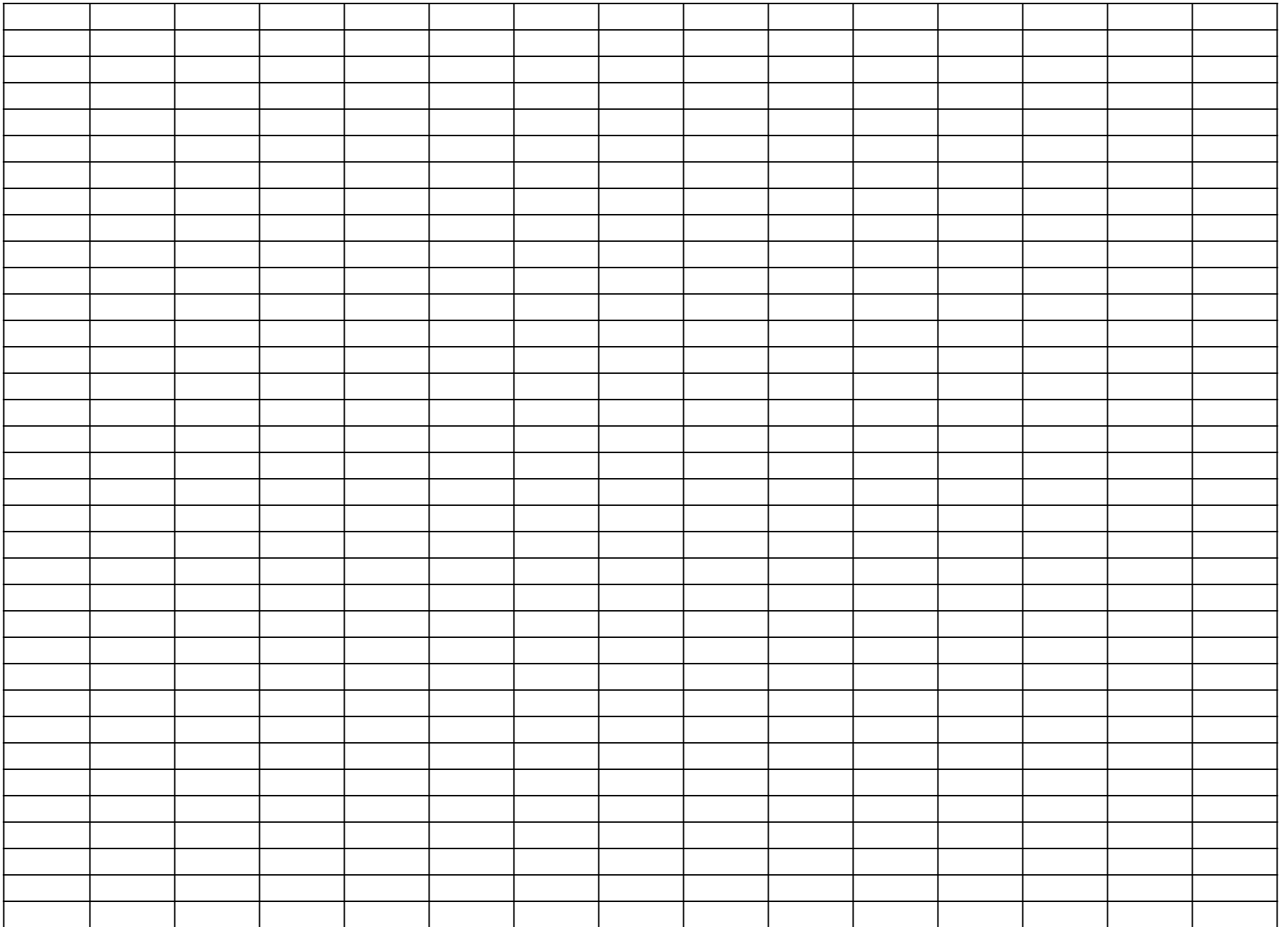


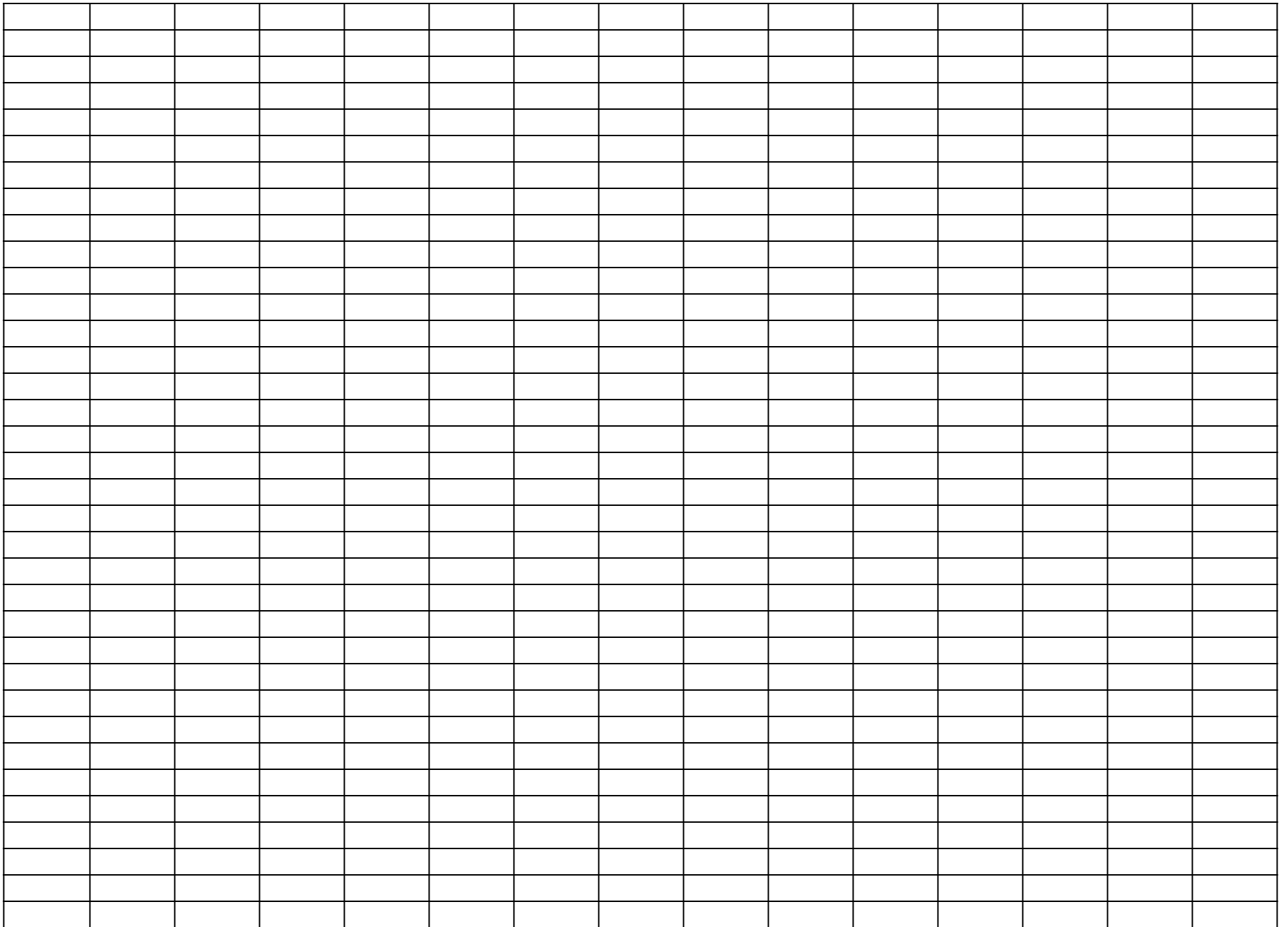


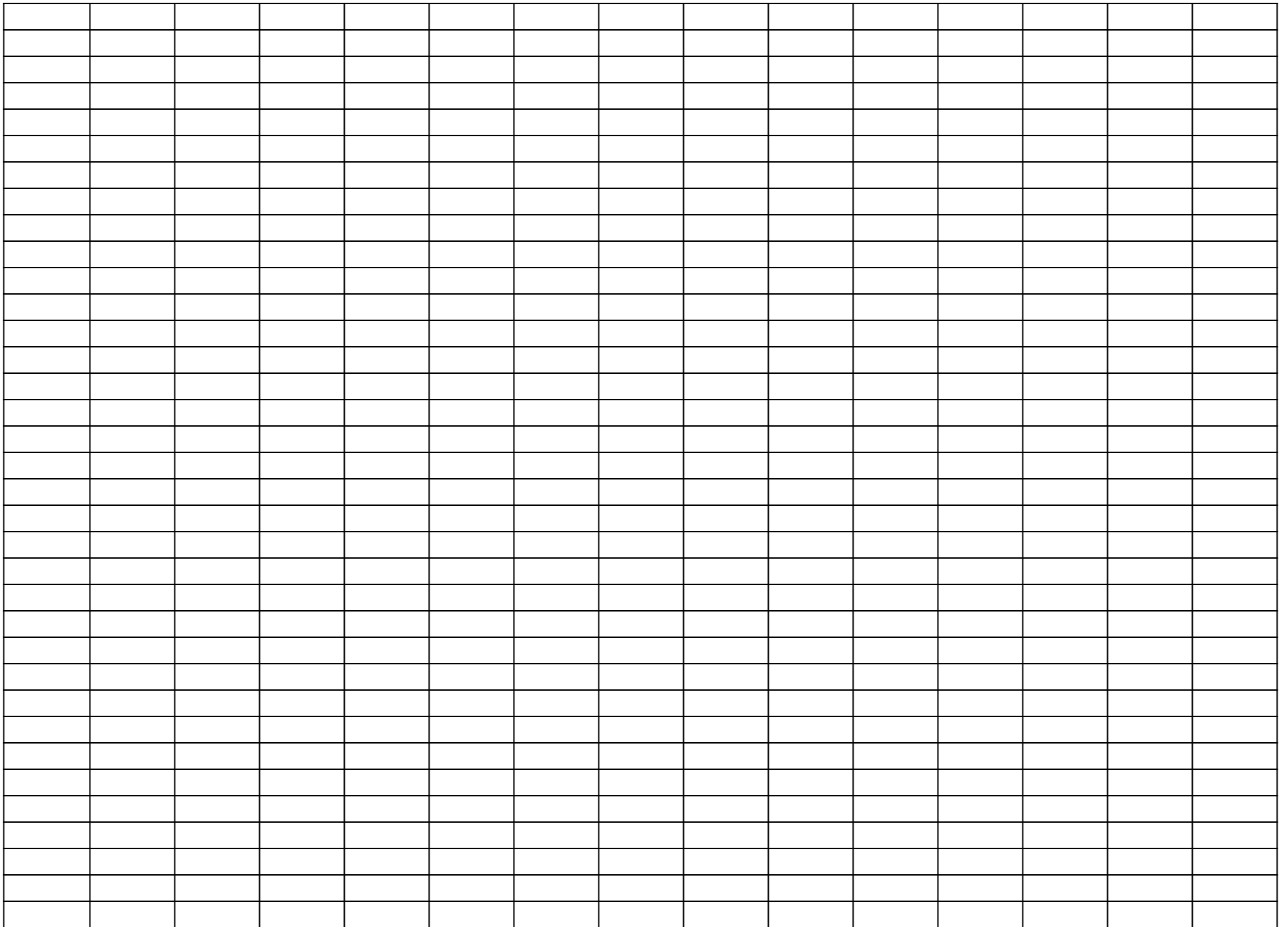


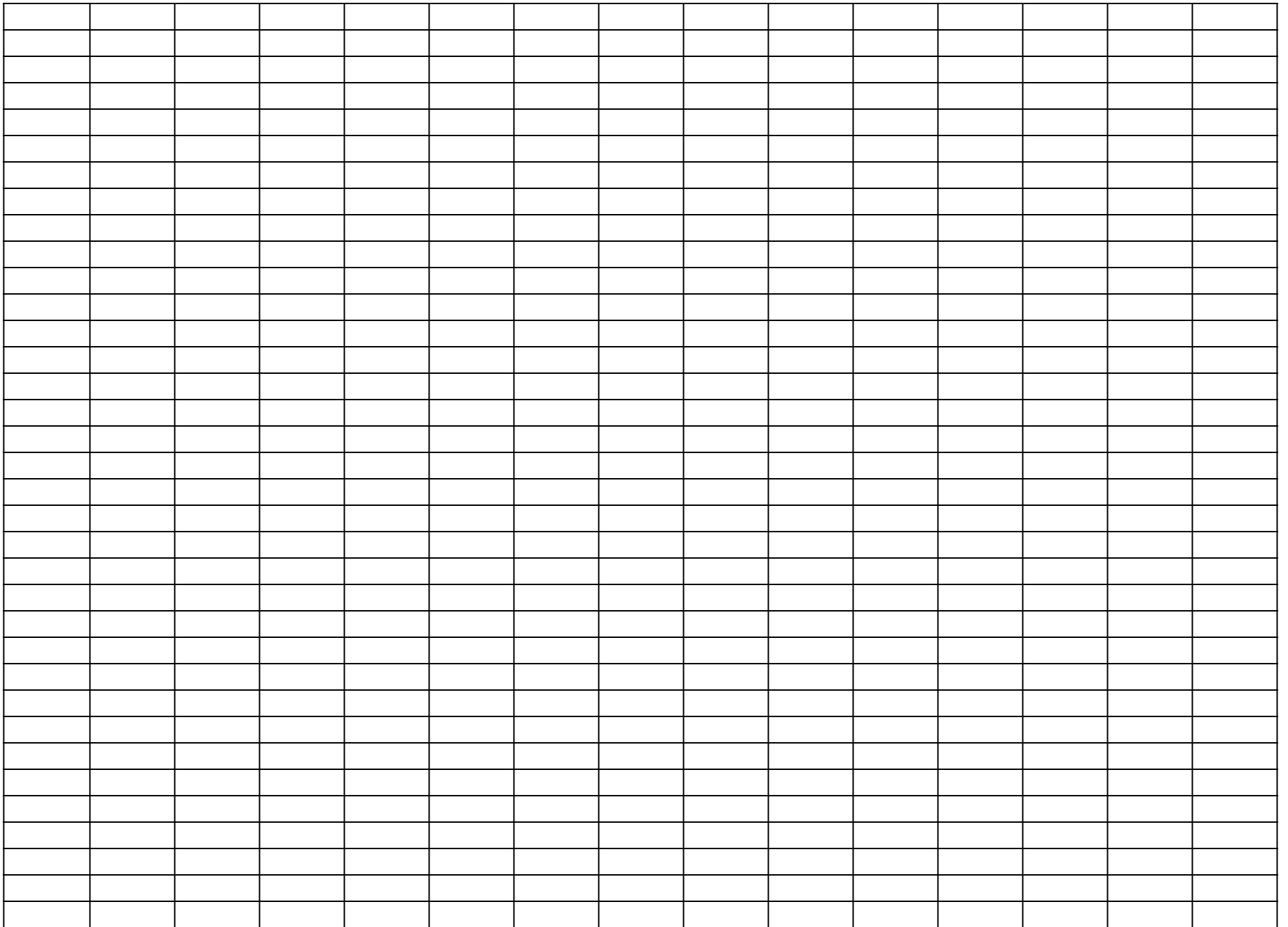


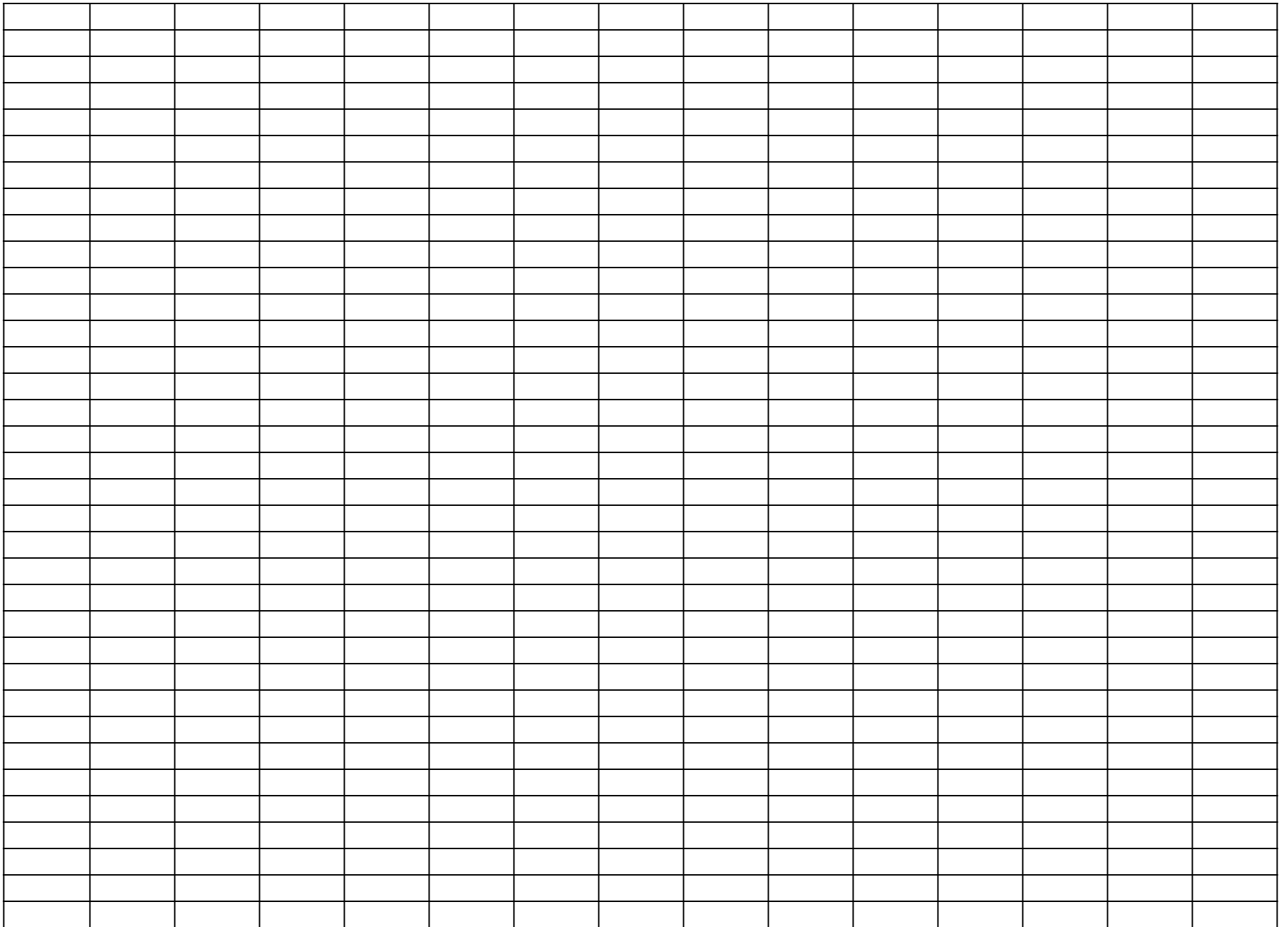


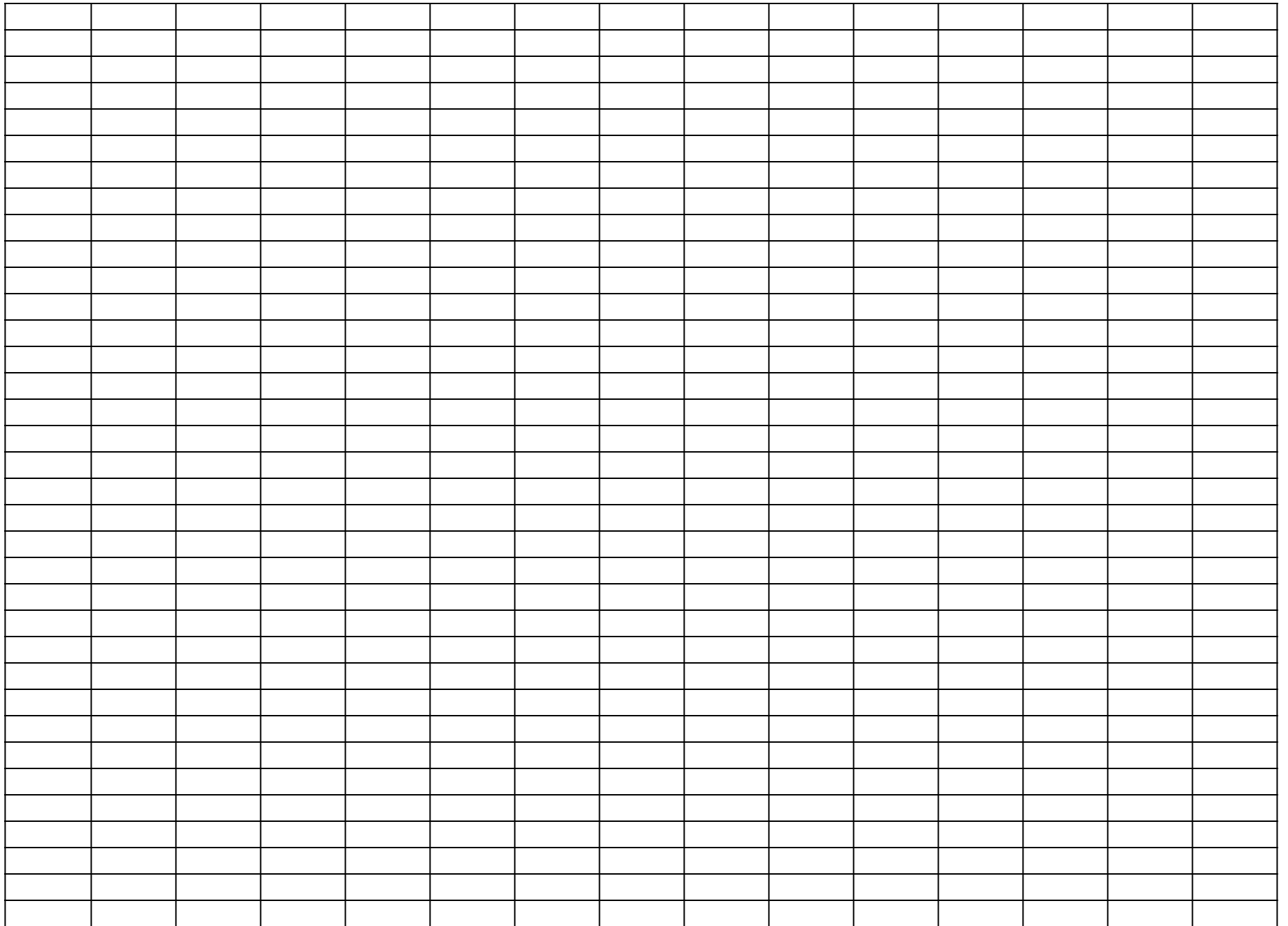












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