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Clarify Problem / Design and Implement a plan

States the context of the problem (COVID-19, NY) (1 mark)

States requirement to run a simulation to demonstrate number of infected (1 mark)

States the requirement to calculate how many people may not be infected by use of a mask (1 mark)

Select and Apply appropriate graphical techniques

Design of simulation shows detail in steps to be able to be repeated (3 marks)

Organise data into table/s (2 mark)

Calculation/s of number of people infected (2 mark)

Calculation/s of number how many people may not have been infected if there was mask wearing (1 mark)

Titles for tables/calculations (1 mark)

Interpret the results and analyse

Simulation Probability calculations shown and used to summerise findings (2 marks)

Statement about difference in amount of infections between masks and no masks (2 marks)

Discussion about implications/any further investigations/improvement in design/difficulties (2 mark)

Summary sentence of results (1 mark)

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Cohesive report writing (2 marks)

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