

(b) In a mammalian cell, there was one Golgi apparatus with a diameter of $1.1\ \mu\text{m}$.

In a maize cell, there were 600 Golgi apparatus. The largest diameter of Golgi apparatus in the maize cell was $0.5\ \mu\text{m}$.

(i) Calculate the percentage difference in these diameters.

(1)

Answer

(ii) The number and size of the Golgi apparatus in the maize cell increases during one stage of the cell cycle.

In which stage of the cell cycle would the number and size of the Golgi apparatus increase?

(1)

- A** anaphase
- B** interphase
- C** prophase
- D** telophase