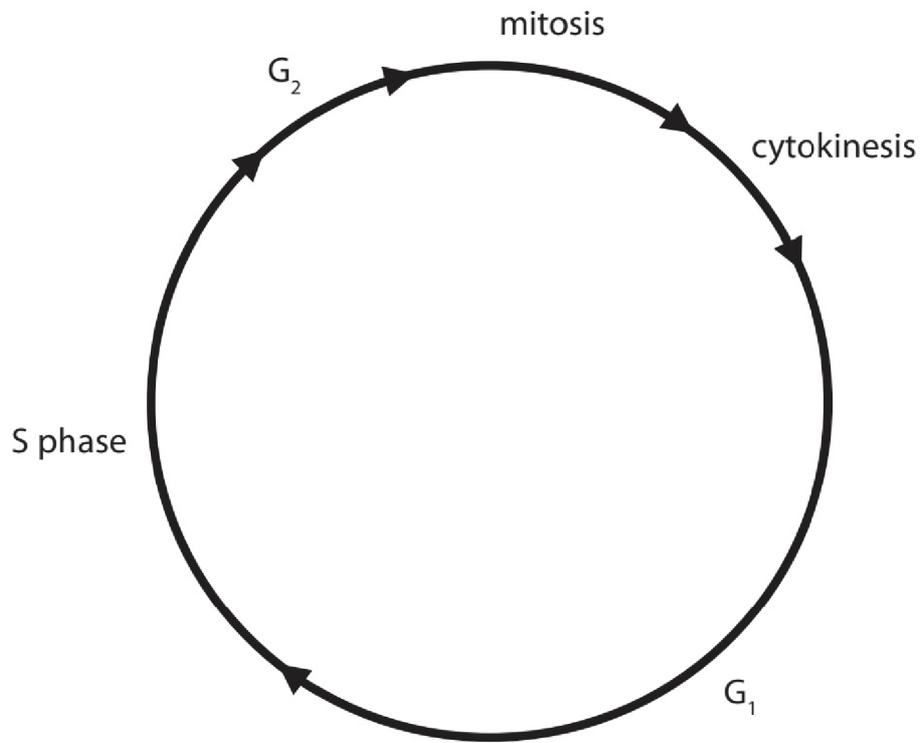


3 The diagram below shows some of the stages of the cell cycle.



(a) Replication of DNA occurs during the S phase.

In some cells, one complete cell cycle takes 14 hours. In these cells, the S phase takes 8 hours.

Calculate the percentage of time that these cells spend in the S phase.

(1)

Answer .....