

The amount of bacteria
in a dish at time t is given by

$$A = 10 \times 2^t$$

where t is the time in hours.

Fill in the table and plot the graph on paper.

t	0	1	2	3	4	5
A	10	20	40	80	160	320

By drawing suitable tangents
estimate the rate of change of bacteria,
to the nearest whole number when

[2]

$t = 1$ rate = [1]

$t = 3$ rate = [1]

$t = 4$ rate = [1]