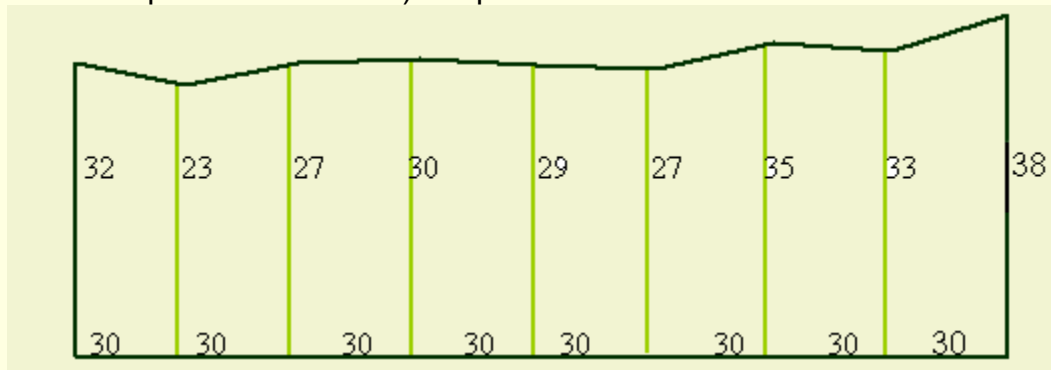


# MATHEMATICS

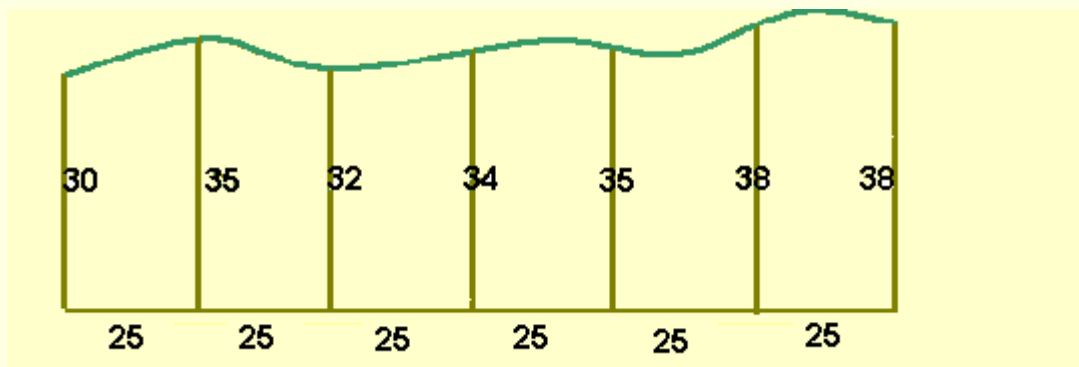
## Level Three

### Trapezium Rule and Simpson's Rule

- 1) Compute the total area of the parcels of land below using a) the Trapezium rule and b) Simpson's Rule.

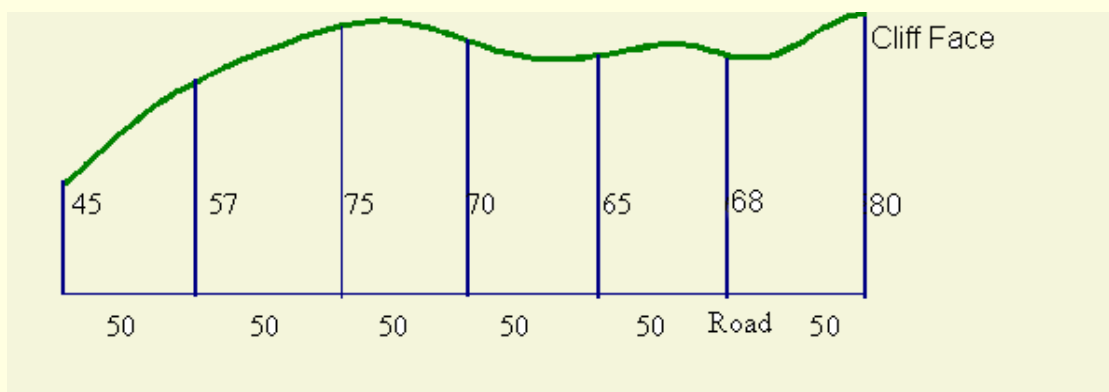


- 2) A river in the Waikato borders a series of lots.



- Calculate the total area using the trapezium rule
- Calculate the total area using the Simpson's rule

- 3) Below is a series of lots which front a road and which back onto a cliff face leading down to the beach.



- Calculate the total area using the trapezium rule
- Calculate the total area using the Simpson's rule

NB. All distances are in metres.