

Caterpillars

Approach: Stations

Level: Year 8 only

Resources: Labelled graph paper and text.

Questions/Instructions

A science museum had a display of live butterflies.

The butterflies produced more caterpillars than the museum expected.

On day 1 there were no caterpillars.

On day 3 there were 120 caterpillars.

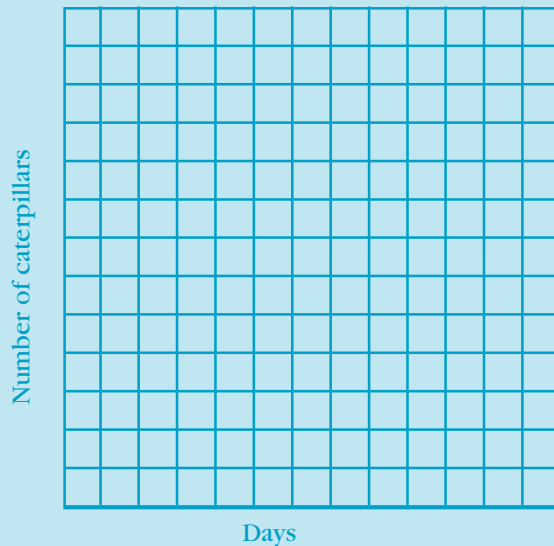
On day 5 there were 270.

The caterpillars began to run out of food,

so by day 7 the number of caterpillars had dropped to 150.

Extra food was found. When the display closed on the 10th day there were 350 caterpillars.

Show this as a graph.



STUDENT RESPONSES

% answering correctly

Year 8

selected appropriate format 89

points on x axis labelled 70

appropriate scale for x axis 54

points on y axis labelled 43

appropriate scale for y axis 55

data complete, accurate and properly spaced 38