

Edexcel Biology IGCSE

4.2 - Estimating Population Size

Flashcards



How can random coordinates be generated?



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Use a random number generator to obtain 2 numbers.



What is a quadrat and how is it used?



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A quadrat is lightweight square frame that can be used to sample an area.



What is the formula for estimating population size?



What is the formula for estimating population size?

$$\left(\frac{\text{Total area}}{\text{area of quadrat}} \right) \times \text{mean number of individuals counted per quadrat}$$



What are the controlled variables for this practical?



What are the controlled variables for this practical?

1. Size of quadrat
2. Number of quadrats at each site
3. Coordinate system
4. Method of counting



What are some potential hazards of this practical?



What are some potential hazards of this practical?

Potential allergies, cuts and stings.

