

# Counting salmon eggs volumetrically (Example)

Fish hatcheries must take regular inventory of the amount of eggs or taken during spawning and how well they are surviving in the hatchery. Will millions of eggs to count, it is not possible to count every egg, so estimation the egg number is perform volumetrically. This exercise will present the methods used.

## Equipment and materials



250 mls

Graduated  
cylinders

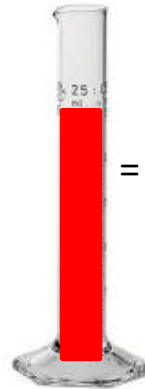


25 mls

Plastics beads  
Representing  
eggs



## Count the number of eggs in 25 ml



= 153 eggs

Measure all eggs (including  
the eggs counted) to obtain  
a total volume (may require  
filling)

Total volume = 5,000 ml



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## Calculation

$$\frac{153 \text{ eggs}}{25 \text{ mls}} = \frac{X \text{ eggs}}{5,000 \text{ ml}} \longrightarrow \frac{153 \text{ eggs} \times 5,000 \text{ mls}}{25 \text{ mls}} = 31,875 \text{ eggs}$$