

DETERMINE THE ZEBRAFISH MORTALITY RATE

Directions:

Using the formulae below and the data recorded in the charts on the daily observation pages in your agent handbook, calculate the mortality rate of your zebrafish.

Formulae:

Step 1: Subtract Day 5 total (including embryos AND larvae) from Day 2 total to get the total number of expired embryos.

SHOW YOUR WORK: _____ - _____ = _____

Step 2: $\frac{\text{Total number of expired embryos}}{\text{Day 2 total}} = X$

SHOW YOUR WORK: _____ / _____ = _____

Step 3: X multiplied by 100 equals the mortality rate of your zebrafish.

SHOW YOUR WORK: _____ * 100 = _____%

What percentage of your embryos did not survive? _____

How does this percentage compare to those of the other groups?

What variables might have contributed to this mortality rate?
