

Egging You On

- You need**
- a tape measure
 - kitchen scales (digital, if possible)
 - a cooking element
 - size 5, 6, and 7 eggs – a dozen of each
 - a calculator
 - string
 - a saucepan
 - water
 - a timer

Activity

John knows that eggs are graded by size. He wonders how heavy grade 5, 6, and 7 eggs are.

1. One way of answering John's question accurately is to weigh a dozen eggs of each size in sets of four.

Use this method to find the average mass of grade 5, 6, and 7 eggs.

2.
 - a. Using six of each grade, measure around each egg to find the longways circumference and the middle circumference. Record these results and the mass of each egg.

Circumference		
Longways (mm)	Middle (mm)	Mass (g)
175	144	70

- b. Find a way to estimate the mass of an egg using the maximum length and width.

Investigation

When eggs are boiled for eating, do they: lose mass and size or gain mass and size?

Investigate this question by boiling an egg for 3 minutes. Wait until the egg is cold before you measure it. You will also need to measure the egg before you boil it.