

LO: to estimate the volume of objects

<https://classroom.thenational.academy/lessons/volume-to-estimate-the-volume-of-objects/>

You do not need to print these pages. Answers can either be recorded in your work book or on a piece of paper. The following questions are also included in the web link.

Revising of square and cubed numbers

Try complete this quiz without using a calculator. Test your mental skills!

Which is larger, 4^3 or 7^2 ?

1 point

- 4^3
- 7^2

Which is smaller, 5^3 or 9^2 ?

1 point

- 5^3
- 9^2

Which is larger, 2^3 or 3^2 ?

1 point

- 2^3
- 3^2

Which is smaller, 6^3 or 8^2 ?

1 point

- 6^3
- 8^2

This is a challenge question: Which is larger, $(6^3 + 8^2)$ or $(4^3 + 7^2)$?

1 point

- $6^3 + 8^2$
- $4^3 + 7^2$

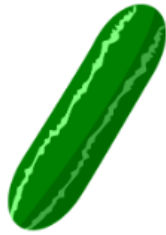
Independent Task



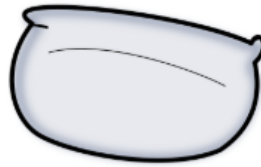
1. Match the objects to their estimated volume.
2. Put in order, starting with the greatest, estimated volume.



Cereal box



Cucumber



Pillow



Concrete mixing truck

NOT TO SCALE

- 6000000 cm³
- 150cm³
- 33,000 cm³
- 1500cm³

Additional daily challenge in the Year 5 folder