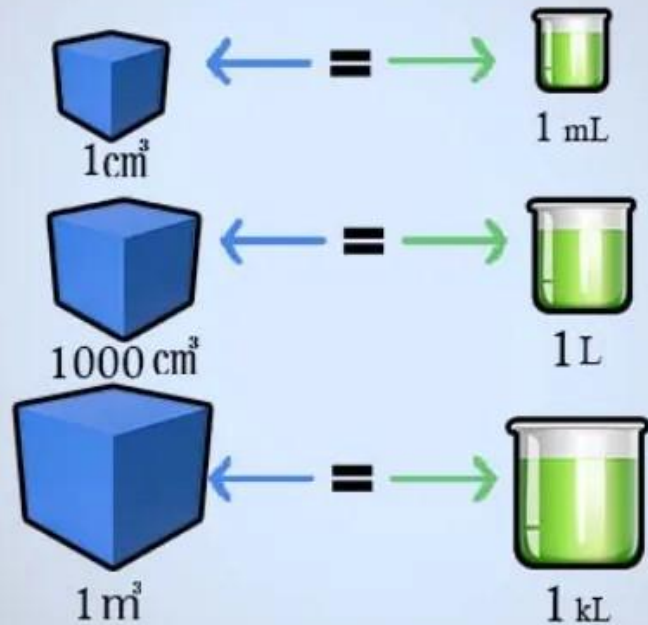


Volume & Capacity Familiarise with These Key Math Concepts



A Quick Guide to Know The Concepts Of- Volume & Capacity



31 MAY VOLUME & CAPACITY FAMILIARISE WITH THESE KEY MATH CONCEPTS

Want to expand your knowledge in maths? We at Miracle Learning Centre provide tailored and professional [maths tuition](#) in Singapore where we help students with supplementary help. Our classes are structured to cover all the lessons in the school curriculum so that students get the best results in exams. We make learning fun, easy and quick with our expert team of trained and [qualified tutors](#).

Today, in this blog, we focus on two of the [key concepts](#) in mathematics. We are talking about volume and capacity. Let's dive into it.

VOLUME VS CAPACITY — NO! THEY'RE NOT THE SAME

If you had any doubts then let us clear it by saying that in no way they are the same. Often volume and capacity are tossed often like interchangeable terms but in reality they are different.

Volume is the measurement of the total space occupied by an object in a three dimensional space. For example, like the space inside a container or the air filling a balloon.

Whereas, capacity is the ability of something (like a solid, liquid or gas) to hold, absorb or receive by an object. For instance, how much water a container can hold before the water spills.

The meaning of the two are subtle but with full understanding one can decipher the major difference between the two.

DIFFERENT UNITS DEFINING VOLUME AND CAPACITY

Now, before delving into further explanation, students need to know about the foundation of these concepts. And the foundation being the units used to measure them.

The [units of measurement](#) for volume are — cm³, m³, litre, millilitre etc. On the other hand, the units of measurement for capacity are — litre, gallons, pounds. Although both the concepts share similar units as well.

Each unit used for the measurement represents a different scale. With [the guidance](#) of our expert [math tutor](#), you can get further understanding about the units of measurement for volume and capacity.

CRACKING THE CODE: FORMULAS OF VOLUME AND CAPACITY

Now that you are aware of the foundation, let's move forward to unlock the secret codes that govern the volume and capacity. For simple [shapes](#) such as cylinders, spheres, cubes, the formula to calculate volume is straightforward. Hence, the formula of a cube is side cubed.

Whereas the formula of a cylinder is $\pi r^2 h$ (that's pi times the radius [squared](#) times the height). We at Miracle Learning Centre have earned the position to be counted among the **best maths tuition in Singapore** that makes students learn these formulas with proper understanding.

We make the effort to go through the formula step-by-step rather than just learning them by memorising.

PRACTICAL APPLICATIONS OF VOLUME AND CAPACITY

If you are wondering why knowing about these concepts are necessary then let us give you a quick overview of their practical applications.

From tasks like pouring measured amounts of milk in containers to designing a well-planned swimming pool within a facility, the understanding of volume and capacity cannot be overstated.

CONCLUSION

But this is just the tip of the iceberg when it comes to learning mathematics. There are many critical concepts that need to be understood. We at [Miracle Learning Centre](#) can help you out.

Join our maths tuition in Singapore and learn the concepts like volume, capacity and more in fun, engaging and effective ways.

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