

# Module 6 Math - Things You'll Need to Know

Use this information to help you through math this term

This term's math focus is on geometry, measurement and statistics  
Click around and play the games!

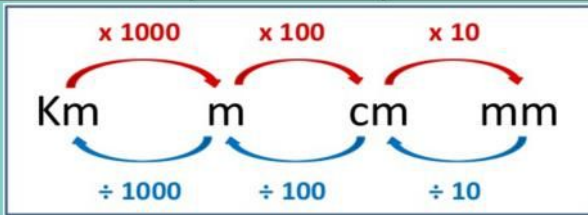
Length	Weight	Volume
1 km = 1,000 m	1 kg = 1,000 g	1 kL = 1,000 L
1 m = .001 km	1 g = .001 kg	1 L = .001 kL
1 m = 100 cm	1 g = 100 cg	1 L = 100 cL
1 cm = .01 m	1 cg = .01 g	1 cL = .01 L
1 m = 1,000 mm	1 g = 1,000 mg	1 L = 1,000 mL
1 mm = .001 m	1 mg = .001 g	1 mL = .001 L

## 01 MEASUREMENT

In measurement it is important year 7 and 8 students can make simple conversions between units using whole numbers.

millimetres – centimetres – metres – kilometres  
millilitres – litres  
seconds – minutes – hours  
grams – kilograms

They also need to be able to understand how to measure time and the features of objects using metric and other ways of measuring.

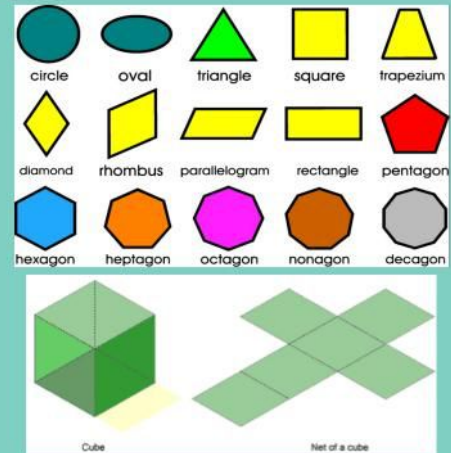


## 02 GEOMETRY - Shape

For shape it is important that students at year 7 and year 8 can recognise and draw a two dimensional representation of three dimensional shapes.

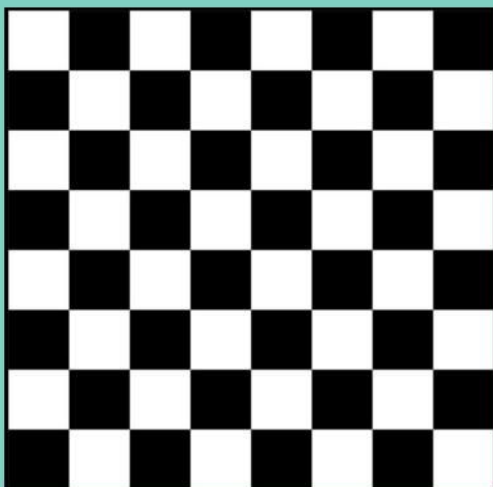
It is also important they can draw, front, side and perspective views of an object and create and identify nets for rectangular prisms and other simple solids.

They also need to be able to identify and classify the common properties between two and three dimensional shapes.



**POINTS FOR EXTRAS!!**  
30 whanau points for every correct answer

How many rectangles, that are not squares, are there on a chess board?



## 03 CHALLENGE



Did you know there are 9 and a half teaspoons of sugar in a can of Coke!

Do you think you'd drink more or less than 6kg of sugar?

What do you have to do?

Record how much sugar you drink on a day in the weekend. You can tell by looking at the ingredients on the back of the bottle, carton, packet.

Do this 4 times this term. Week 2/3, week 4/5, week 6/7, week 8/9. Watch out on M.I.TV for instructions. Collect an info-slip from the office and drop it in the box next to the trophies at the office OR email Mr H at [benh@manurewaint.school.nz](mailto:benh@manurewaint.school.nz)

250 whanau points for every class who gets their info in!

## BASIC FACTS

[http://www.abcya.com/math\\_facts\\_game.htm](http://www.abcya.com/math_facts_game.htm)  
<http://maths.prototec.co.nz/>