

Maths Review – Level Two

Student Name:

Date:

Using information from diagnostic or class assessment, tick each of the skills to show if the student is already skilled in that topic, needs some practise or needs specific tuition.

Skill	Already skilled	Needs practise	Needs tuition
Whole Number Skills			
Add, subtract, multiply and divide without a calculator			
Understand how big numbers are written i.e. 1 million is 1,000,000			
Calculate using negative numbers in terms of money and temperature			
Round numbers to specified amounts i.e. to the nearest tenth, to the nearest whole number			
Estimate answers			
Follow BIDMAS for calculations			
Calculate with formulae (algebra)			
Decide what types of calculations to carry out i.e. should you multiply or divide			
Fraction, decimal, percentage and ratio skills			
Calculate using decimal numbers without a calculator			
Find a percentage of something i.e. 40% of 650			
Find a percentage increase or decrease including reverse percentages			
Create a percentage i.e. what percentage is 65 out of 500?			
Simplify fractions using division			
Find fractions of an amount i.e. $\frac{2}{5}$ of 600g			
Calculate with mixed numbers i.e. $2\frac{3}{8} + 1\frac{3}{4}$			
Create fractions using two numbers			
Order and convert between fractions, decimals and percentages			
Write numbers as ratios such as 5:9			
Use ratios to find amounts such as quantities in a recipe			

Measure Skills			
Identify the units of length, distance, weight and capacity			
Use a scale on a map such as 1: 10000			
Convert between metric units			
Convert between metric and imperial			
Convert between different currencies			
Work with prices and find the best value option			
Use formulae to calculate with speed, density and rates of pay			
Calculate perimeters			
Calculate areas including area of circles and triangles			
Calculate volumes			
Measure or calculate angles in shapes and use vocabulary about angles such as interior and acute			
Identify and plot coordinates for 2-D and 3-D objects			
Identify and draw plans & elevations of 3-D shapes			
Draw a plan or scale drawing correctly			
Draw nets of common shapes			
Data Skills			
Read scales on graphs carefully			
Draw graphs and charts (bar charts, line graphs, pie charts and scatter graphs)			
Calculate averages (mean, median, mode and range)			
Use a grouped frequency table to find averages			
Calculate and compare probabilities			
Draw and interpret probability trees and lines and 2-way tables			

General Skills			
Use a calculator effectively for the calculator paper			
Manage their time well in exams			
Interpret what a question is asking them to do			
Read long wordy questions and understand them			
Pick out important information from a question			
Show all of their working out			
Explain their working out			
Show how they can check their answers			

Is there anything else you think they need support with?

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