Y2 A2 Personal Learning Checklist - Mathematics

A2 Elements

1. Number and place value

a. Can identify and represent 2-digit numbers using different representations such as number lines or base ten apparatus etc.

b. Can read and write numbers to at least 100 in numerals including using 0 as a place holder, e.g. 109

c. Can compare and order more than two numbers using a blank number line (placing these proportionately)

d. Can solve problems using place value and number facts

2. Number - addition, subtraction (mental and written)

a. Can subtract two 2-digit numbers using concrete objects or pictorial representations where regrouping is required

b. Can solve problems involving addition using concrete objects and pictorial representations involving numbers, quantities and measures

c. Can solve problems involving subtraction using concrete objects and pictorial representations involving numbers, quantities and measures

3. Number - multiplication and division (mental and written)

a. Can calculate mathematical statements for multiplication using the 2, 5 and 10 times tables

b. Can calculate mathematical statements for division using the 2, 5 and 10 times tables

c. Can solve problems involving multiplication using concrete objects or pictorial representations

d. Can solve problems involving division using concrete objects and pictorial representations

e. Can recognise and use the inverse relationship between multiplication and division

4. Number - fractions (including decimals and percentages)

a. Can recognise the equivalence between 2/4 and 1/2

b. Can find 3/4 of a shape or set of objects

c. Can write a fraction represented in a shape or set of objects (1/2, 1/3, 1/4, 2/4, 3/4)

d. Can write and solve simple fractions such as 1/2 of 6 = 3

e. Can understand the relationship between fractions and division and use this to solve problems

f. Can count in fractions up to 10, e.g. 1 1/4; 1 2/4 (or 1 1/2); 1 3/4; 2 ...

5. Measures

a. Can compare and order two or more different measurements (length, mass, temperature or capacity/volume)

b. Can solve simple problems in a practical context involving subtraction of money of the same unit, including giving change

c. Can find different combinations of coins that equal the same amount of money

d. Can compare and sequence intervals of time

8. Statistics

a. Can interpret tables in different contexts

b. Can answer questions about totalling data e.g. How many people were asked altogether?

c. Can answer questions about comparing data e.g. How many more people liked ...than ...?