



Having determined which calculations are needed, I can solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others. MNU 2-03a

I have explored the contexts in which problems involving decimal fractions occur and can solve related problems using a variety of methods. MNU 2-03b

Having explored the need for rules for the order of operations in number calculations, I can apply them correctly when solving simple problems. MTH 2-03c



HTU

I can use written methods of addition

THHTU

I can use written methods of subtraction involving decomposition

HTU

THHTU

I understand multiplication is repeated addition

I understand division is repeated subtraction

Addition & Subtraction

I can add decimals

Using mental strategies

Using written methods

I can subtract decimals

I have explored many mental strategies for addition & subtraction and have chosen to use those which suit me best

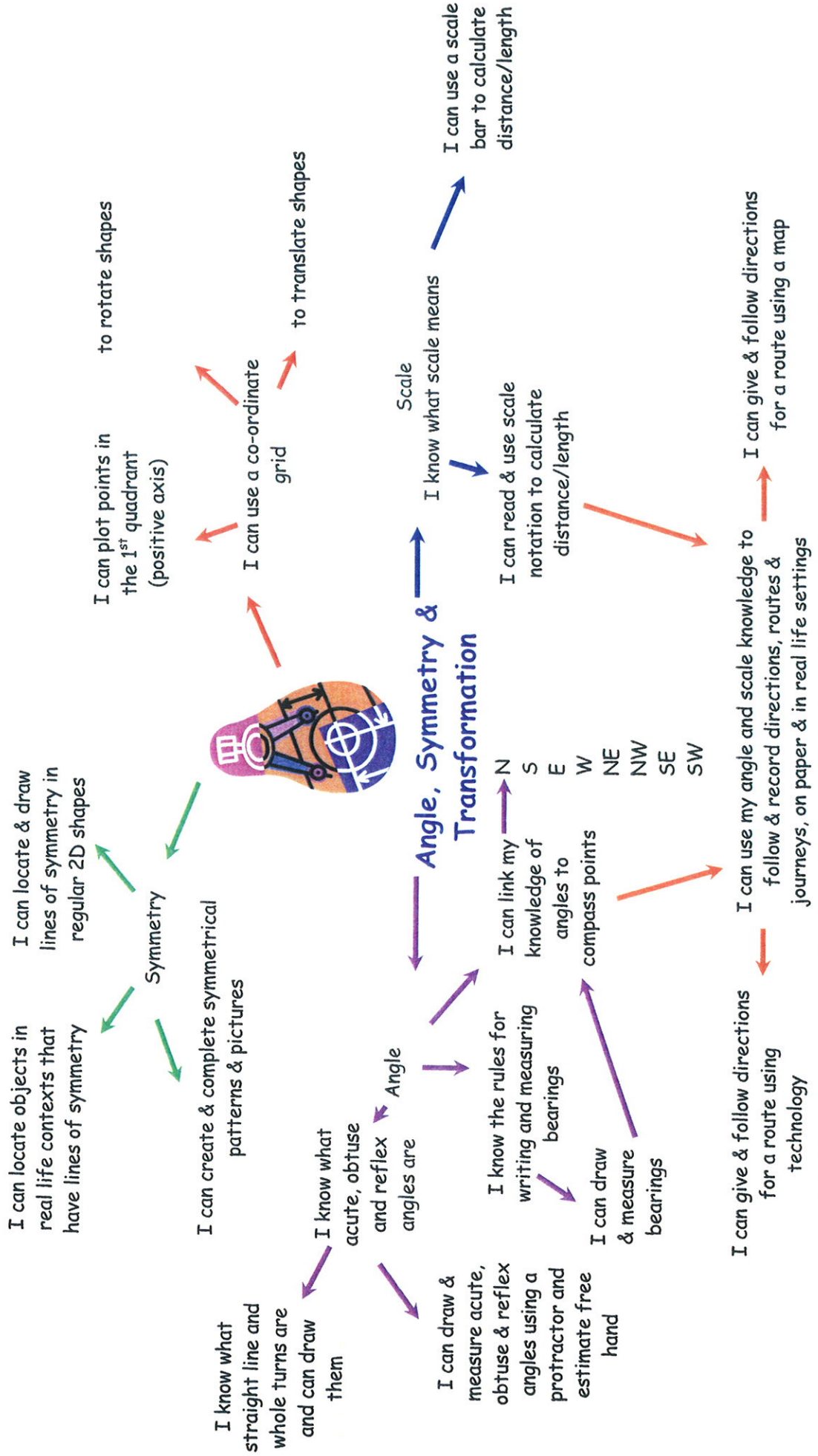
Using written methods

Using mental strategies

Numeracy & Mathematics
Angle, Symmetry & Transformation
Second Level



I have investigated angles in the environment, and can discuss, describe and classify angles using appropriate mathematical vocabulary. **MTH 2-17a**
 I can accurately measure and draw angles using appropriate equipment, applying my skills to problems in context. **MTH 2-17b**
 Through practical activities, which include the use of technology, I have developed my understanding of the link between compass points and angles and can describe, follow and record directions, routes and journeys using appropriate vocabulary. **MTH 2-17c**
 Having investigated where, why and how scale is used and expressed, I can apply my understanding to interpret simple models, maps and plans. **MTH 2-17d**
 I can use my knowledge of the co-ordinate system to plot and describe the location of a point on a grid. **MTH 2-18a**
 I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns. **MTH 2-19a**





I can conduct simple experiments involving chance and communicate my predictions and findings using the vocabulary of probability. MNU 2-22a

I can set up an experiment to test my predictions of probability



I can record my results of these experiments in tables and charts



I can use numbers 1 - 10 to indicate probability



0

Impossible

10

Certain

Chance & Uncertainty

I can use vocabulary of probability



certain



most



likely



unlikely



impossible

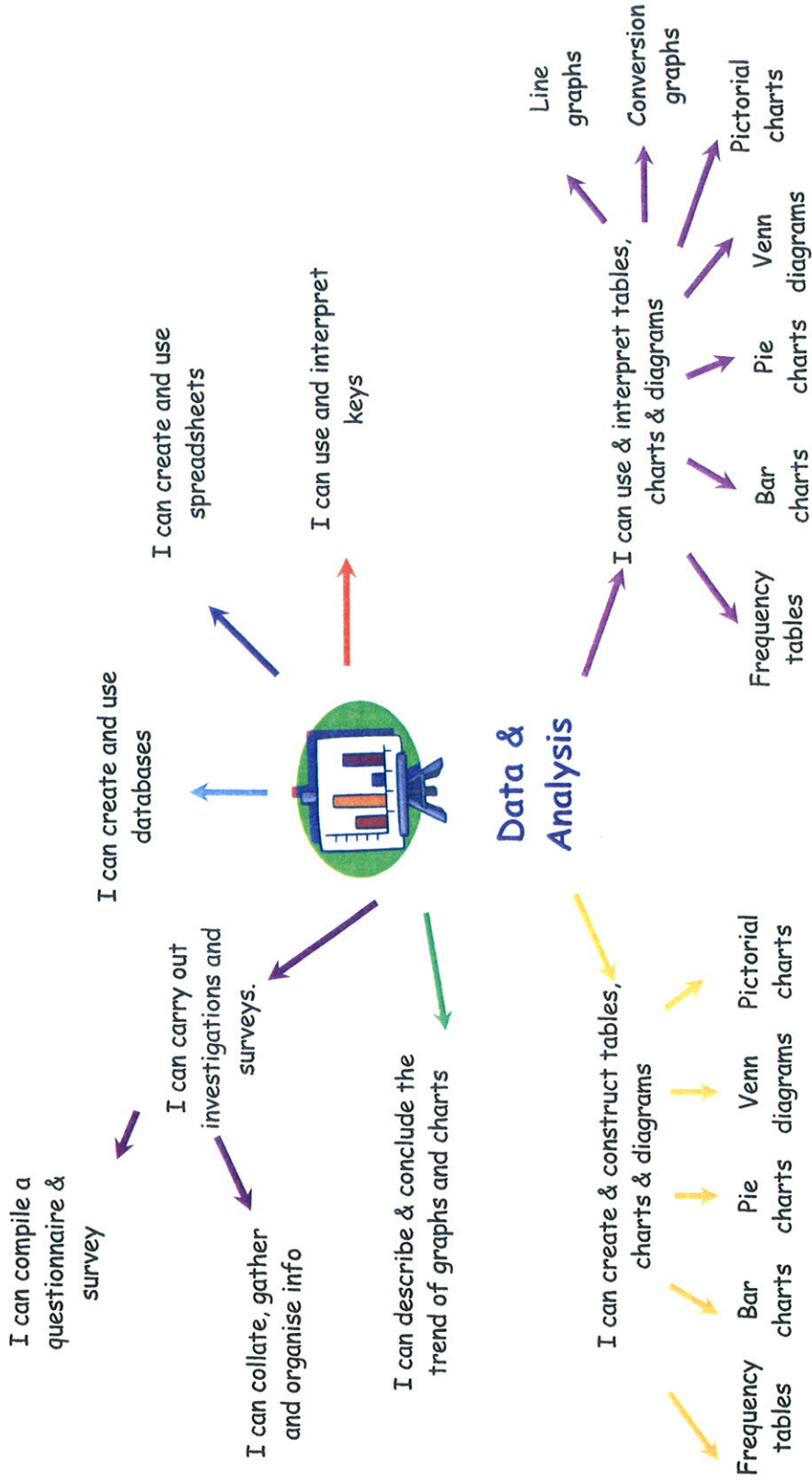
possible



Having discussed the variety of ways and range of media used to present data, I can interpret and draw conclusions from the information displayed, recognising that the presentation may be misleading. **MNU 2-20a**

I have carried out investigations and surveys, devising and using a variety of methods to gather information and have worked with others to collate, organise and communicate the results in an appropriate way. **MNU 2-20b**

I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology. **MTH 2-21a**





I can use my knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if my answer is reasonable, sharing my solution with others.
MNU 2-01a

I can use my skills of estimating & rounding numbers to provide an approximate answer



I can then use my skills in mental & written strategies to find the exact answer



Estimation & Rounding

I can now explain to others why my estimate was correct or incorrect. I can locate my mistake if necessary.



I can then compare and check my exact answer with my estimate answer



I can apply my knowledge of number facts to solve problems where an unknown value is represented by a symbol or letter MTH 2-15a

I can solve more difficult algebraic problems using transference of signs
 $2b - 3 = 5$
 $2b = 5 + 3$



I can solve simple algebraic problem & equations.
 $2b = 10$
 $c + 6 = 20$

Expressions & Equations

I can solve more difficult algebraic problems using balancing method
 $2b - 3 = 5$
 $(+3) (+3)$



I have investigated the everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems. MNU 2-07a I can show the equivalent forms of simple fractions, decimal fractions and percentages and can choose my preferred form when solving a problem, explaining my choice of method. MNU 2-07b I have investigated how a set of equivalent fractions can be created, understanding the meaning of simplest form, and can apply my knowledge to compare and order the most commonly used fractions. MTH 2-07c

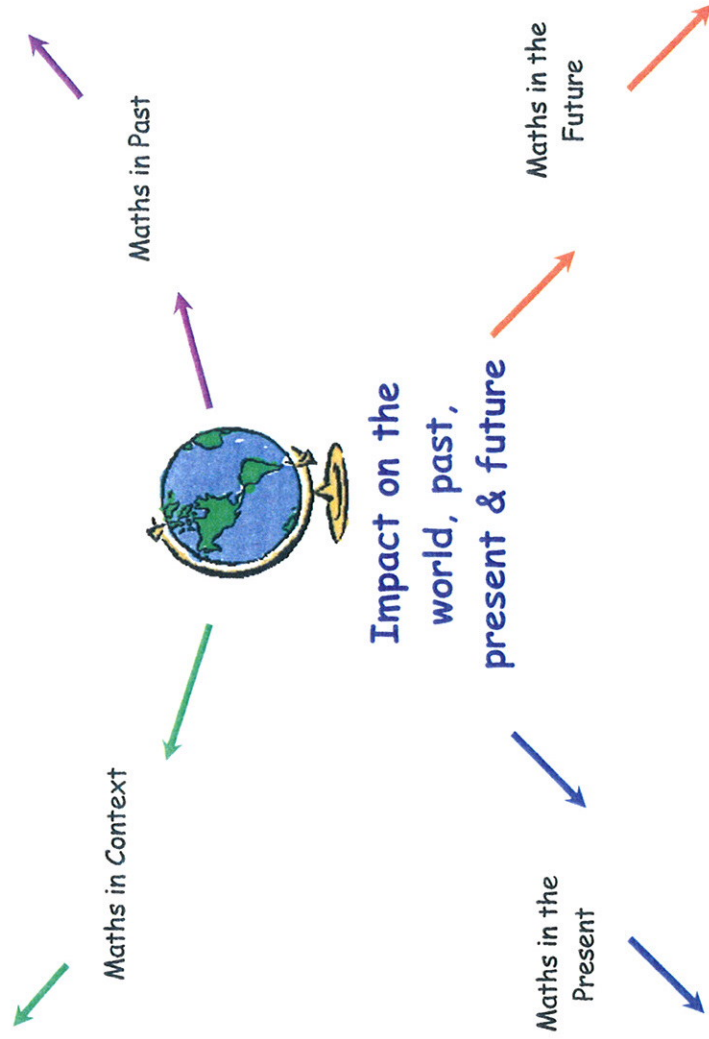


Numeracy & Mathematics

Mathematics: its impact on the world, past, present and future
Second Level



I have worked with others to explore, and present our findings on, how mathematics impacts on the world and the important part it has played in advances and inventions. **MTH 2-12a**





I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. **MNU 2-11a**
 I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems. **MNU 2-11b**
 I can explain how different methods can be used to find the perimeter and area of a simple 2D shape or volume of a simple 3D object. **MNU 2-11c**

