

Mathematics - Number, money and measure
Fourth Level MTH 4-03b

I have investigated how introducing brackets to an expression can change the emphasis and can demonstrate my understanding by using the correct order of operations when carrying out calculations.

Mathematics - Number, money and measure
Fourth Level MTH 4-06a

I have developed my understanding of the relationship between powers and roots and can carry out calculations mentally or using technology to evaluate whole number powers and roots, of any appropriate number.

Mathematics - Number, money and measure
Fourth Level MTH 4-06b

Within real-life contexts, I can use scientific notation to express large or small numbers in a more efficient way and can understand and work with numbers written in this form.

Mathematics - Number, money and measure
Fourth Level MTH 4-07b

I can solve problems involving fractions and mixed numbers in context, using addition, subtraction or multiplication.

Mathematics - Number, money and measure
Fourth Level MTH 4-11b

Through investigating real-life problems involving the surface area of simple 3D shapes, I can explore ways to make the most efficient use of materials and carry out the necessary calculations to solve related problems.

Mathematics - Number, money and measure
Fourth Level MTH 4-11c

I have explored with others the practicalities of the use of 3D objects in everyday life and can solve problems involving the volume of a prism, using a formula to make related calculations when required.

Mathematics - Number, money and measure
Fourth Level MTH 4-12a

I have discussed the importance of mathematics in the real world, investigated the mathematical skills required for different career paths and delivered, with others, a presentation on how mathematics can be applied in the workplace.

Mathematics - Number, money and measure
Fourth Level MTH 4-13a

Having explored how real-life situations can be modelled by number patterns, I can establish a number sequence to represent a physical or pictorial pattern, determine a general formula to describe the sequence, then use it to make evaluations and solve related problems.

Mathematics - Number, money and measure
Fourth Level MTH 4-13b

I have discussed ways to describe the slope of a line, can interpret the definition of gradient and can use it to make relevant calculations, interpreting my answer for the context of the problem.

Mathematics - Number, money and measure
Fourth Level MTH 4-13c

Having investigated the pattern of the coordinate points lying on a horizontal or vertical line, I can describe the pattern using a simple equation.

Mathematics - Number, money and measure
Fourth Level MTH 4-13d

I can use a given formula to generate points lying on a straight line, plot them to create a graphical representation then use this to answer related questions.

Mathematics - Number, money and measure
Fourth Level MTH 4-14a

Having explored the distributive law in practical contexts, I can simplify, multiply and evaluate simple algebraic terms involving a bracket.

Mathematics - Number, money and measure
Fourth Level MTH 4-14b

I can find the factors of algebraic terms, use my understanding to identify common factors and apply this to factorise expressions.

Mathematics - Number, money and measure
Fourth Level MTH 4-15a

Having discussed the benefits of using mathematics to model real-life situations, I can construct and solve inequalities and an extended range of equations.